

PRATTONIA

1810

PRATTONIA



1919

SCHOOL OF SCIENCE AND TECHNOLOGY
PRATT INSTITUTE

Trustee's Greeting

In these times of readjustment and uncertainty through which we are living I have found considerable satisfaction in holding on to one of the wisest and most fundamental of our Founder's sayings:

"Work is the essential part of life and nothing worth having comes without it. Everything costs something in effort or discipline or sacrifice. Health comes from habits of right living, and that means restraint; wealth comes from persistence and energy, and that means labor; education comes from application and industry, and that means discipline; happiness comes from consideration of others, and that means unselfishness."

The gist of it is contained in the second sentence: "Everything costs something in effort or discipline or sacrifice."

We inherit our bodies, our minds, and our souls. Nothing else of value comes except through the using of these in some kind of effort. We are all forced to do something with our natural gifts even to exist, and no satisfying life can ever be lived without the constant struggle. It may be an external struggle for food, clothing, or shelter, or it may be an internal struggle to raise ourselves to a higher level of life and usefulness. Nature, even in the tropics where food seems to be without price or effort, never produces her best or fullest without man's assistance, and without this effort on his part man degenerates of the animal.

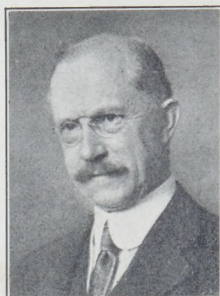
What we all want and should have—and do have in this country to a greater degree than anywhere else—is equal opportunities in our religious, social, political, and industrial life. But opportunity will count but little if we do not use our individual gifts, whatever they may be, in some kind of effort or discipline or sacrifice.

FREDERIC B. PRATT.

April, 1919.



JOHN T. PRATT



CHARLES M. PRATT



FREDERIC B. PRATT



GEORGE D. PRATT



THEODRE PRATT

In recognition of the opportunities and the encouragement given to the students of the Institute to gain preparation for service in America's New Day,

The Pratonnia

IS SINCERELY DEDICATED

by the Classes of 1919, School of Science and Technology

To the Trustees of Pratt Institute



HAROLD I. PRATT



FRANK L. BABBOTT, JR.



CHARLES PRATT



RICHARDSON PRATT



HERBERT L. PRATT

Alma Mater

Towering far above her neighbors,
Shop and mart and hall,
Stands the home of student-labors,
Noblest of them all!

At each meeting, give her greeting,
Raise the proud salute!
Hail to thee, our Alma Mater
Hail, Pratt Institute!

In our hearts her precepts linger,
Her example gleams,
Showing with unerring finger
Guerdon of our dreams.

At our meeting, for our greeting,
Bring her noble fruit.
Hail to thee, our Alma Mater,
Hail, Pratt Institute!

Round the world the chain extending
Each to other binds,
All her honored name defending,
Hearts and hands and minds.

At our meeting, give her greeting,
Raise the proud salute!
Hail to thee, our Alma Mater,
Hail, Pratt Institute!

—*Mary W. Plummer.*

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Director's Greetings

To the Members of the Graduating Classes of 1919:

I esteem it a privilege to have this opportunity to extend to you on behalf of Pratt Institute and its School of Science and Technology most sincere and cordial greetings.

The Institute has prepared you well to go forward efficiently upon careers of your choosing. You have acquired a technical training of proved worth, thorough-going and comprehensive, upon which you may rely with confidence as you now assume your places in this country's industries. Yet well as this training will serve you, it can hardly carry you to ultimate success unless supplemented as you go onward, by spare time study of subjects relating to your vocation and by a continually deepening and broadening extension of your general education. No man's education is ever finished. It dwindles unless it expends, because it cannot remain unchanging. Observation of successful men commonly reveals that their education, however unconventional the method of its attainment, has been a continuous development throughout their lives. The important thing is not the amount of education a man has when he leaves school, but rather the rate at which he develops thereafter. I would emphasize therefore the wisdom of beginning at once to attend carefully to your further intellectual and professional growth.

It will shortly be your privilege to enter into full fellowship with a large and well-organized body of Pratt men, numbering some two thousand graduates of the courses which you represent. The interests of this School and of its Alumni Association are inseparable. The benefits which will accrue to you as members of this influential body will depend upon the extent to which you actively affiliate yourself with it. Active support of your Alumni Association includes the payment of its annual dues, subscription to "News-Ology," attendance at the annual reunions whenever possible, and a favorable response to such other calls as the Association may make upon you from time to time.

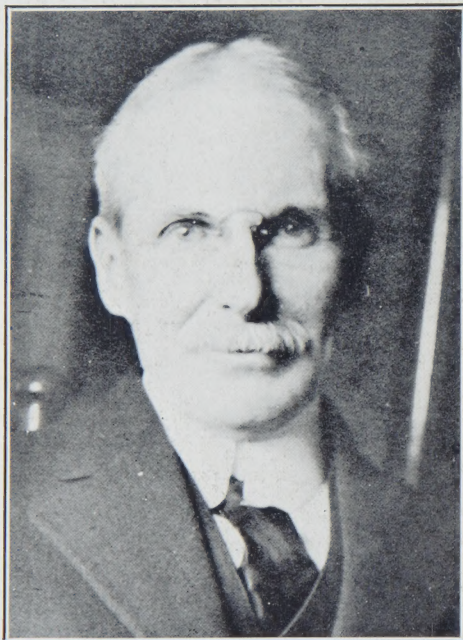
Upon you as students Pratt Institute has earnestly impressed its ideals and standards. The honor and reputation of the Institute are now yours to safeguard. As Director of your School I would enjoin upon you to carry with you throughout your careers henceforth the same spirit of loyalty to the Institute that has marked your attitude as students. Personally, I shall ever have a warm regard for your welfare and progress, and my good wishes go with you.

SAMUEL S. EDMANDS.

April, 1919.



SAMUEL SUMNER EDMANDS
Director of School of Science and Technology
Joined the Faculty 1901



CHARLES MORSE ALLEN

Supervisor of Industrial Chemical Engineering Course
Joined the Faculty 1889



HORACE WILMER MARSH

Head of the Department of Mathematics
Joined the Faculty 1896



ARTHUR LEROY COOK
Supervisor of Industrial Electrical Engineering Course
Joined the Faculty 1903



JOHN PAUL KOTTCAMP
Supervisor of Industrial Mechanical Engineering Course
Joined the Faculty 1906



SCIENCE AND TECHNOLOGY FACULTY

Top Row: Messrs. Bare, Dowd, Bivins, Lindsay, Mudge, MacCoul, Ballou, Saylor, Wright.

Middle Row: Messrs. Robertson, Elsom, Martin, Smith, Price, Austin, Van Gaasbeek, Powers, Rapp, Heyman.

Front Row: Messrs. Miller, Rogers, Cook, Allen, Edmands, Marsh, Kottcamp, Burley, Isenberg.

OFFICE STAFF

Helen B. Ahearn
Jeanette E. Blaufox
Elizabeth Boyle

Grace E. Wallace

Violet Haver
Helen F. Parker
Mathilde Sommer

Editorial

Fellow members of the graduating class: We enter upon life at the time of reconstruction, when the world is full of new theories, new schemes and new demands. What is our attitude going to be? It does not matter so much to the world as it does to us. During the past two years we have been taught to be constructive. Shall we not help to put away the work of destruction? With our educational advantages we have the opportunities to lead. Why not try to be helpers of men—not destroyers?

The world is full of men who resolve, but who do nothing. They are fertile in brilliant ideals, but sterile in accomplishment. The efficient man is the man who sees the ideal, and devises ways and means for its attainment. His resolution goes through and the end is the realization of his ideal.

The “big” men of any community are men who are active in work that is for the benefit of all, whether in the pursuit of their individual vocations, community, church or other work. Social problems are educational problems.

The country needs intelligent, high minded citizens who are men of character. These are the men who accomplish. It is the aim of Pratt to build character as well as to make possible attainment in engineering.

To us, this graduation is a happy occasion, for our work here is completed. We are full of hope, and eager to meet our opportunities in this great world in which we must take up our life work, armed with the power which we have acquired. As we separate, let every one bear none but the most pleasant memories of our school life. Let our Alma Mater never be forgotten. May we strive to maintain her honor and promote her interests. Hail, all Hail our Alma Mater!

Hail to dear old Pratt!



BOARD OF EDITORS

Top Row: Ballentine, Dooling, Powers, Brown.

Second Row: Duckworth, Meyer, Williams, Dunlap, Manning, Hyde.

Front Row: Fahy, Smith, Scott, Appleton, Brams, Jeffery, Galle.

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Acknowledgement

The Board of Editors wish to take this opportunity to thank the Conference Board, Instructors and students of the Institute for their untiring efforts to make the "Prattonia" a success. Special credit is due to Messrs. Marsh, Heyman and Milham, all of whom have given valuable assistance in the preparation of the manuscript and drawings.

The Board is also indebted to the printer, Thomas W. Joyce, Standard American Engraving Company and the photographer, Harry J. Paul, for their unusual interest and assistance in the preparation of the "Prattonia."

History of Pratt Institute

Mr. Charles Pratt, the founder of Pratt Institute, was born in Watertown, Mass. in October, 1830, and died in Brooklyn May 4, 1891. In the early days of his life he worked hard on the farm and had very little schooling. When thirteen years of age he was a clerk in a grocery store, but he soon left this position and learned the machinist's trade. At the age of eighteen he had saved enough money to start him in Wilbraham Academy near Springfield, Mass. Here he studied hard for two or three winters, making many sacrifices in his efforts to secure an education. In 1851 he came to New York, taking a position as clerk in an oil and paint store and soon became a partner in the business. Later the concern divided and Mr. Pratt took over the oil interests, establishing the firm of Charles Pratt and Company, having its refinery in Brooklyn. Mr. Pratt was one of the first to realize the value of the oil fields in Pennsylvania and the best illuminating oil came from his refinery which still exists. The success of the business naturally led to Mr. Pratt's association with the Standard Oil Company at its inception.

Realizing his own difficulties in obtaining an education he resolved to provide a means of education for young men and women whose previous schooling had been very limited. He gave liberally to many institutions. For many years he was a trustee of Adelphi Academy and later erected a large building for the College. Mr. Pratt liberally assisted Amherst College, the University of Rochester, the Public Library of Watertown, Mass. and the Brooklyn Bureau of Charities. Having a great democratic interest in those with limited

means he erected in Greenpoint a model apartment house called the "Astral". Here, in general rooms for entertainment and instruction, the students of Pratt Institute have since helped to carry out the ideals of the founder through the Neighborhood Association.

Mr. Pratt was a zealous church member and was seldom missing from his pew in the Emanuel Baptist Church in Brooklyn where he proved a great help to the church.



Charles Pratt

Mr. Pratt's great interest in education led him to visit institutions of learning, far and wide. With his private secretary, Mr. Heffley, he inspected the many schools of New England, France, England, Germany, Switzerland, Italy and even India. After his return he outlined the fundamental ideals of Pratt Institute. The purpose of Mr. Pratt was to provide courses of training in those subjects which were not so thoroughly covered in other institutions. His main idea was to establish an institution for vocational and trade work and so help all classes of people. With the idea of giving everyone a chance, he secured a large piece of land where Pratt Institute now stands and began the erection of a six story building.

On October 19, 1887, this building had been completed and the first class of twelve students in drawing, began its work under the instruction of Mr. Walter S. Perry. Up to this time Mr. Pratt had kept most of his ideas to himself, but now, when the people heard of his proposed pioneer work, the idea was received with a great deal of criticism and ridicule. However, he firmly believed his plan would

be successful and worked all the harder on his enterprise. Classes had hardly been started when the Institute was opened one evening to visitors, and at this time Mr. Pratt showed the public how the school was helping the students to help themselves. Evening classes were then started and have since grown in numbers until they now enroll more than two thousand students annually. A women's department was soon opened which developed into the School of Household Science and Arts. Early in 1888 a library was started in the Main Building. This grew, until in 1896 the present Pratt Library was built which now contains 120,000 volumes. The Kindergarten School was first started in the Rest House, and continued in the Women's Club until the erection of the Kindergarten Building in 1901. In the early days of the Institute a Manual Training High School was started to show the country the value of manual training in the high school course. Having accomplished this purpose the course was discontinued in 1905 when the city of Brooklyn built a large Manual Training High School.

In 1888 a commercial department was established under Mr. Norman Heffley, Mr. Pratt's Secretary. In 1905 Mr. Heffley took direct charge of this department in the present building of the Heffley Institute. To inculcate habits of thrift among those in the Institute and incidentally in the community, Mr. Pratt established The Thrift. This has grown until to-day it has total assets amounting to over six million dollars.

In 1888 Mr. Charles R. Richards became the first director of the School of Science and Technology. At this time the present gymnasium was used as a trade school and the forge and foundry occupied the court yard on Grand Avenue. The machine shop occupied the first floor of the S. and T. building and the carpenter shop the second floor. The Electrical Building at first had only two floors, the lower consisting of the steam and electricity laboratory with plumbing and sign and fresco painting on the second floor. In 1894 the first

Mechanical class was graduated and in 1898 the first Electrical class. In 1900 two more floors were added to the Electrical Building making additional space for class rooms and laboratory work. In 1905 the Chemistry Building was finished and ready for occupancy. The carpenter shop was then moved to the basement of this building, and the machine shop was extended to occupy both the first and second floors of the S. and T. Buildings. At this time the Men's Club opened and has since done much to promote the social life of the Institute. The first class in Chemistry was graduated in 1907. The land between Grand Avenue and Steuben Street which had previously been used for an athletic field was then leveled off and tennis courts were laid out. A large plot of land farther North between Steuben Street and Emerson Place was acquired and transformed into an athletic field. In 1914 the Machinery Building was erected. The machine shop was then moved to the first floor and the carpentry shop to the second. A tannery was then established in the basement of the Chemistry Building. The forge shop was changed to the basement of the Machinery Building and the upper floor was used by the foundry where a two-ton cupola was set up. The grounds formerly covered by boiler room, forge and foundry were remodeled into a court yard.

We are all familiar with the war activities that have taken place at Pratt. How the government first sent a group of sailors to take an electrical course here, and later established an aeroplane repair shop in the S. and T., the former Thrift, and the Kindergarten buildings, for the training of army men. At the beginning of this year the government took the whole man power of the school and turned it into an army camp. Two large buildings were used for barracks and a new mess hall was started while the whole school was put upon a military basis. The signing of the armistice, however, checked this work and after a few months of military drill, Pratt's little army and navy were demobilized and the school once more

returned to its normal routine. To-day Pratt Institute stands as one of the finest technical institutions of its kind. It has twelve buildings grouped conveniently together and a total enrollment of over four thousand annually.

Although the courses cover a period of only two years, they are intensive and complete in their outline. The student at Pratt devotes practically all his time to his studies and consequently at the end of his course is fitted for a position of responsibility in the industrial world.

Graduates of Pratt Institute are successfully filling the positions of superintendent, general and works managers and many other important positions of electrical, mechanical and chemical engineering with salaries mounting as high as \$50,000 a year. These are not

the only fields in which Pratt is represented. There are many all over the world who look back and find their success has been largely due to their training and to the ideals received while at Pratt Institute.

The death of Mr. Charles Pratt came long before the Institute had fulfilled its intended purposes. He left the school well under way, to the care of his sons who, through their untiring efforts, keen interest, and generous support have so nobly carried out the ideals of the founder. Special credit is due to Mr. Frederic B. Pratt, who, as Secretary of the Institute, has devoted his entire time and services to the success of Pratt Institute.

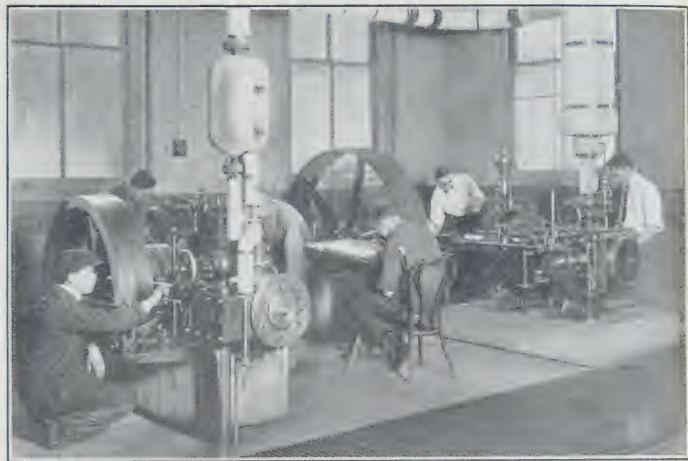
CHESTER H. SMITH,
EDWARD R. MANNING.







THE MACHINERY BUILDING



CORNER OF STEAM ENGINE LABORATORY



THE STRENGTH OF MATERIALS LABORATORY



Industrial Mechanical Engineering 1919



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History

Industrial Mechanical Engineering, 1919

How swiftly years pass! Less than two short years ago the M. I. Class of 1919 entered upon its new work at Pratt. Looking back to the opening day, we recall that morning as we waited in the corridor of the Chemistry Building to be assigned to our separate sections and class rooms. Some of us were sent to Mr. Fenninger and those that did not get lost listened eagerly when he told us there were no "Profs" at Pratt. We then went to 16-C, the class room we will never forget, and Mr. Marsh explained his method of teaching technical mathematics which he said was quite different from that which had been taught him in the days of '76! He also read the Attendance Regulations but even before he had finished, we all decided to attend classes every day and be in our seats when the bell rang. The novelty of the first week soon wore off and we found ourselves organized and down to business. The instructions received during the year in the shops proved to be of much value as well as the class room work. In the Foundry Mr. Rathbone taught us how to make moulds and John showed us how to apply the modern methods of cleaning the cupola. The instructions Mr. Saylor gave in his class room on pattern making were very helpful but our lives were constantly in danger as whatever he had in his hand went flying across the room when someone forgot to pay attention. Mr. Hillyer, who liked to see us grow strong, taught the use of the sledge in the Forge Shop. Work in the Drawing Room developed some good draftsman, due, incidentally, to Anson Weston Smith and Mr. Heyman.

It was about our third week here when we were very fortunate, being invited as a class, to a smoker given by the second year M. I. class. The evening was well spent making new acquaintances with both upper classmen and instructors. June came altogether too soon and our farewell to the graduating class, in the form of a smoker and a trip to Coney Island, finished the year.

Upon returning to school after the summer vacation we found conditions at the Institute somewhat upset due to the organizing of the S. A. T. C. The enrollment of the class had greatly decreased owing to the number of enlistments. It is true our ranks were somewhat thinned, but, like the noble "Six Hundred", we went

valiantly onward, ours not to reason why, ours but to "carry on". So the activities of the class were suspended until the winter term which found us again on a civilian basis with a renewal of the old spirit and a re-election of the governing body. Our work at this time became more interesting and, with Mr. Kottcamp at the head of our department, we learned considerable about steam and gas engines though we did often sit with our mouths wide open. The perfection of the power plants that we designed was due to the instructions of Mr. Lindsay, though Mr. Powers helped us with the layout of the switchboard and electrical connections. In the Machine Shop Mr. Burley taught us how to operate lathes and milling machines and some of the more brilliant members of the class succeeded in cutting a gear with the right number of teeth on it. The instruction in mathematics was continued by Mr. Marsh and after chasing the locus of an equation to various corners of the universe, we found that analytics was not so bad, after all.

We were well represented in athletics but were unfortunate in that we won no championships. Perhaps it was due to the fact that Mechanical Engineering requires brains and a great amount of studying not allowing time for sports. However, the class turned out the assistant manager of the Varsity Basketball Team and two of its best players, one being Captain during his second year. The organizing of the Mechanical Engineers' Association is one of the things of which we are proud. We made a number of trips to power plants and industrial concerns in Brooklyn and New York, all of which proved very interesting and educative. Last but not least, came the class dance. The first year class was invited and the occasion was enjoyed by everyone.

We are now fast approaching the end of our life at this school and, though we all will welcome our diplomas, Commencement Day will come too soon. It is with deep regret that we part from this scene of so many pleasant memories, but in years to come when we look back on the days gone by, the lasting association and ties of friendship formed here will help us to remember these two years as the stepping stone to all the success reached by the members of this Industrial Mechanical Engineering Class of 1919.



CLIFFORD TETLOW APPLETON

45 Curtis Avenue, Bridgeport, Conn.

"App"

*"And tho he promise to his loss
He makes his promise good."*

Tennis Manager, '18. M

Chairman Data Comm. Mech. Eng. Assn., '19.

Secretary and Treasurer of M. E. Class, '19.

Editor-in-Chief of "Prattonia" '19.

J. ROBERT BARIL

48 East 39th Street, Bayonne, N. J.

"Bob"

"Think wrongly if you please, but in all cases think for yourself."

Basket-Ball Team, '19. M

HERMAN E. BLENDERMANN

1311 St. Marks Avenue, Brooklyn, N. Y.

"Blendie"

"He that ruleth his spirit is better than he that taketh a city."

Basket-Ball Team, '18. Manager, '19. M

Soccer Team, '18. M

JOHN E. BLENDERMANN

1311 St. Marks Avenue, Brooklyn, N. Y.

"Fal"

"Mind is the partial side of men: the heart is everything."



JESSE BRAMS,

Box 658, Monticello, N. Y.

"For they can conquer who believe they can."

Baseball Team, '18.

Soccer Team, '18. M

Circulation Manager, Prattonia, '19.

IRA LEE BRONSON,

Afton, N. Y.

"Dignity consists not in possessing honors but in deserving them."

Baseball Team, '18 and '19. M

WALLACE TELFER BROWN,

"Water-tight"

17 Prospect Street, New Rochelle, N. Y.

*"In this world it is not what we take up
But what we give up, that makes us rich."*

Bowling Team, '19.

Baseball Team, '19.

JOHN DIXON,

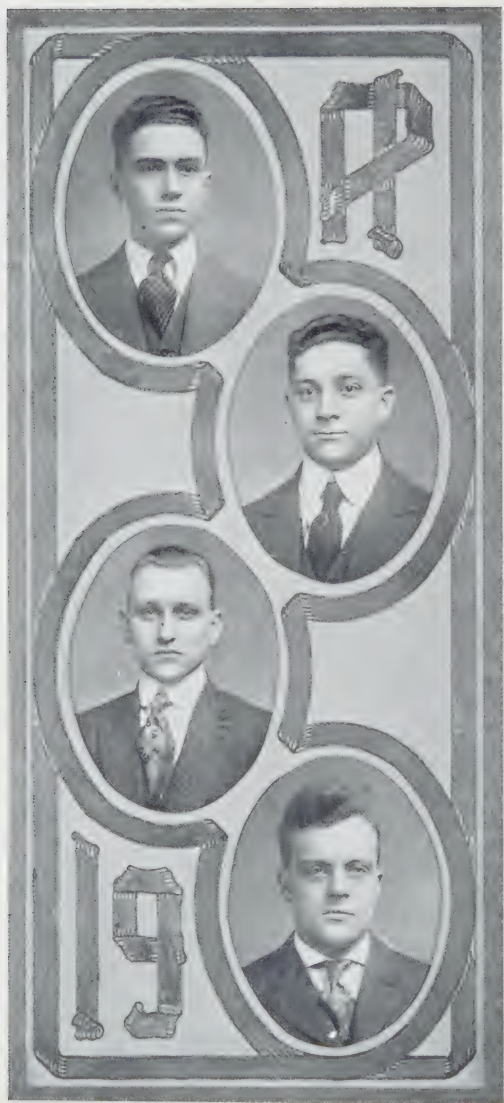
"Dickie"

Fords, N. J.

*"Genuine simplicity of heart is a healing and cementing
principle."*

Track Team, '18. Manager, '19.

School Track Team, '19.



JAMES A. FAHY, Jr.

"Jimmie"

700 West 180th Street, New York, N. Y.

"Good-will like a good name is earned by many actions."

Class Pool Team, '19.

Basket-ball Team, '19. M

Baseball Team, '19.

Assistant Circulation Manager, Pratttonia, '19.

MAXWELL FITELSON,

"Max"

109 James Street, Bridgeport, Conn.

*"An honest man, close buttoned to the chin,
Broadcloth without, and a warm heart within."*

Vice-President Class '19.

Baseball Team, '18 and '19. M

Soccer Team, '18. M

Varsity Basket-ball Team, '18 and '19. P

PAUL F. GALLE.

54 Center Street, Lawrence, Mass.

"Learning is pleasurable, but doing is the height of enjoying."

Class President, '19.

Baseball Team, '18 and '19. M

Students Council Member, '19

Associate Editor Pratttonia, '19.

HOWARD DITMAS GREEN.

50 Kenilworth Place, Brooklyn, N. Y.

"Politeness is to goodness what words are to thoughts."

Class Treasurer, '18.

Baseball Team, '18 and '19. M

Designed Class Pennant.



DONALD ALBERT HALL,
286 West Street, Brooklyn, N. Y.

"The race is not to the swift; nor the battle to the strong."

GEORGE MORRIS HAMMER,
161 Conant Street, Gardner, Mass.

"Ensign"

"There are reproaches which praise and praises which slander."

ROBERT C. HODKINSON,
102 Reid Avenue, Port Washington, L. I.

"Hoddie"

"What can we reason but from what we know"

FRANK LESLIE JACOBUS,
119 Glen Ridge Avenue, Glen Ridge, N. J.

"Jake"

"Still water runs deep."

Secretary, Mech. Eng. Assn., '19.



HENRY HERTHAL JOHNSTON,
61 Center Street, Scuthington, Conn.

"Kewpie"

*"Where there is much pretension, much has been borrowed;
nature never pretends."*

Assistant Secretary, Nutmeg Club, '18.
Assistant, Class Treasurer, '18.

FRANK G. KENNY,
53 Main Street, Orange, N. J.

"Harp"

"Sad is his lot who, once at least in his life, has not been a poet."

ALVIN W. MEYER,
1 Kingsbury Street, Bridgeport, Conn.

"Dutch"

*"Thou hast no sorrow in thy song
No winter in thy year."*

Varsity Basket-ball, '18. Captain, '19. P
Athletic Representative, '18 and '19.
Captain Baseball Team, '18. M
Assistant Athletic Manager, "Prattonia" '19.

HAROLD EDWARD NAGLE,
61 Merrell Avenue, Southington, Conn.

"Tucky"

"Where there's a will there's a way."

Entered Class of 1918.
Class Pool Team, '19.



HOWARD, BRISTOL NOBLE,

"Knoble"

298 Burnside Avenue, East Hartford, Conn.

"Who mixed reason with pleasure and wisdom with mirth."

Basket-ball Team Manager, '18. Captain, '19. M

Varsity Basket-ball Squad, '19.

GEORGE D. OLSEN,

"Swede"

Orange, Conn.

"To know how to wait is the great secret of success."

Soccer Team, '18. M

Basket-ball Team, '18 and '19. M

Baseball Team, '18. Manager, '19. M

CHARLES MAYNARD PARSONS,

"C. M."

East Hampton, N. Y.

"Faithfulness and sincerity are the highest things."

Basket-ball Team, '19. M

WILSON A. PARSONS,

"Wills"

Blaine Street, East Bangor, Penn.

"That which turns out well is better than any law."



G. ALLAN ROUSE,

708 West High Street, Chestertown, Md.

"Silence never yet betrayed anyone."

Basket-ball Team, '18. M

"Rousie"

FRED JOHN SCHAEFER,

100 Harrison Place, Irvington, N. J.

"The noblest mind, the best contentment has."

Soccer Team Manager, '18. M

Vice-President Mech. Engs. Assn., '19.

"Schafe"

BRADFORD H. SCOTT,

21 Arnoldale Road, Hartford, Conn.

"Great thoughts, great feelings, came to them like instincts unawares."

Class President, '18.

President Mech. Engs. Assn., '19.

President Students Council, '19.

Class Club Representative, '19.

Business Manager, "Prattonia" '19.

"Scottie"

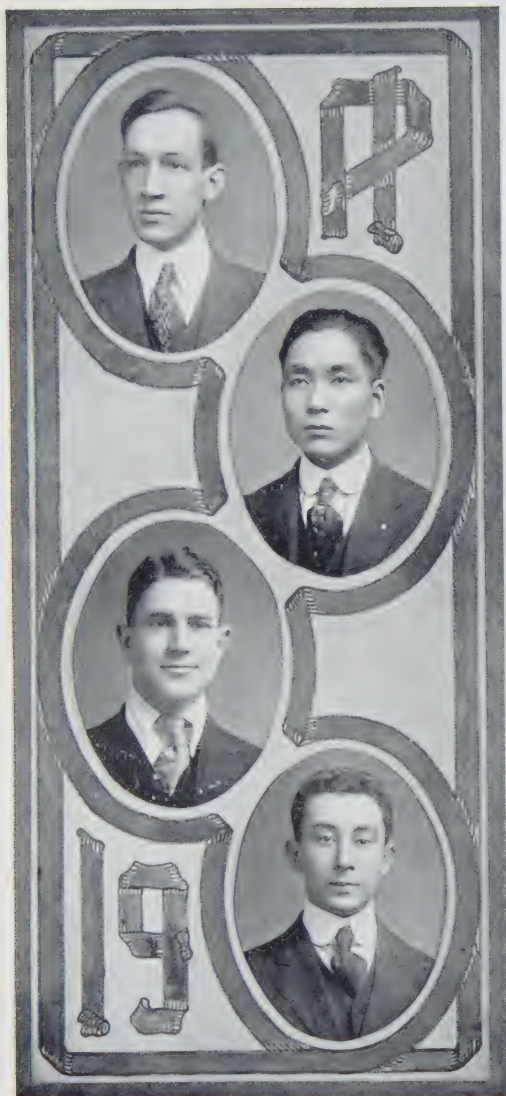
AUSTIN LEAVITT STOWELL,

79 Dawes Street, Springfield, Mass.

"Where your treasure is, there will your heart be also."

Class Bowling Manager, '19.

M. E. Assn. Data Committee, '19.



ALBERT CLIFTON STRATTON.

"Strat"

West Chester, Pa.

"Be a philosopher; but amidst all your philosophy, be still a man."

Class Soccer, '18. M

Bowling Team, '19.

M. E. Assn. Data Committee, '19.

FRED HISAO TANAKA,

"Murphy"

2829 West 16th Street, Brooklyn, N. Y.

"A well bred man is always sociable and complacent."

EDWARD B. TRACY,

"Ned"

28 Chestnut Avenue, Waterbury, Conn.

"True modesty is a discerning grace."

Soccer Team, '18. M

DAVID TURCOTT,

"Turk"

368 Columbus Avenue, New York, N. Y.

c-o Friedlander.

"On their own merits modest men are dumb."



ALTON VAN WAGNER,
Salt Point, N. Y.

"Van"

"Peace is the masterpiece of reason."

HENRI B. VAN ZELM,
New Rochelle, N. Y.

"Van"

"The power of thought—the magic of the mind."

Dartmouth, '18. B.S.
Cartoonist, M. E. Class "Prattonia" '19.

SERGIUS VERNET,
262 Nassau Street, Brooklyn, N. Y.

"Mecca"

"To climb steep hills requires a slow pace at first."

Baseball Team, '18. M
Soccer Team, '18. M

ALLAN P. WALCOTT,
161 Bunker Hill Avenue, Waterbury, Conn.

"Wolk"

"Lawless are they that make results their laws."

Soccer Team, '18. M

The Mechanical Engineer's Association

Among the many activities and privileges that form a part of the student life, with particular reference to the class in Industrial Mechanical Engineering, one of the most important and valuable is the Mechanical Engineering Association. Primarily the aim and purpose of this organization, is to give to each student an opportunity to get some practical experience in conducting public meetings in accordance with established rules of parliamentary practice and to acquire a degree of ease in speaking in public. In addition to the latter each student also is given a chance to get experience in the preparation of papers and the securing of data from the numerous available sources at his command and putting them into such shape that they will make interesting reading.

Each student in the class is required to be an active member and to take his turn in the presentation of papers or in opening and conducting the meetings. During the present year the meetings have been held weekly since the beginning of the winter term and the results have been particularly successful.

Joint meetings have been held on several occasions, with the similar organizations of other classes at which speakers not associated with the Institute, gave lectures upon topics having especial interest for the student in engineering. In most instances these lectures were illustrated with lantern slides which served to show just what is being done in actual practice. Many of the student speakers used with excellent effect, their ability to make free-hand, perspective and other sketches with crayon upon the black-board to illustrate their talks.

One of the methods employed during the present year to accomplish the purpose of the organization was to have the several actions in the conduct of each meeting, criticised openly and reasons given for the exceptions taken. This action was received with the greatest good nature and to such purpose that in a comparatively short while, the necessity for making criticism became, practically, unnecessary and was, in fact, abandoned.

On the whole the present organization has made a record that in many respects, will stand as a model, to succeeding classes.

The executive officers of the Association for the class of '19, are: Mr. B. H. Scott, President; Mr. F. J. Schaeffer, Vice-President; Mr. F. L. Jacobus, Secretary.

To the untiring efforts of these officers the success of the work of the organization for the current year is especially due.

The general guidance of the conduct of the work, more particularly in an advisory and consulting capacity has been taken by Mr. W. E. Lindsay, Instructor in Machine Design.

The following lectures were delivered:

<i>Name</i>	<i>Subject</i>
C. T. Appleton,	"The Efficiency of Producing Machine Parts."
H. H. Johnston,	"The Gnome Motor."
S. Vernet,	"The Principle of the Key-Driven Adding Machine."
A. C. Stratton,	"The Welding of Machine Parts."
H. D. Green,	"The Operation of the Torpedo."
D. Turcott,	"The Filling of Gas Shells."
H. Nagel,	"The Manufacture of Tools for Making Shells and Rifles."
B. H. Scott,	"The Methods of Taking Experimental Data in Practice."
Mr. Fenninger,	"Machine Tool Motor Applications."
C. M. Parsons,	"Efficiency in Assembling a Tin Lizzie."
R. J. Baril	"The Efficient Marine Boiler."
H. B. Van Zelm,	"Steamship Steering Apparatus."
R. C. Hodgkinson,	"The Hispano-Suiza Airplane Motor."
W. T. Brown,	"Repairing of Automobiles."
W. A. Parsons,	"Slate Mining Operations."
H. B. Noble,	"Manufacture of Marking Devices."
H. E. Blendermann,	"One Unit System, Starter and Generator."
A. L. Stowell,	"Methods of Testing Hardness of Metals."



MAIN BUILDING AND LIBRARY

History

Industrial Electrical Engineering, 1919

In the ancient days of September 1917, Ryerson Street in the neighborhood of Pratt, appeared as the main thoroughfare of Brooklyn. Groups of ambitious workers were seen about the buildings in search of room 14-C. Sign posts were needed but none found. "Period" Libby volunteered to lead but was soon lost, later found in the coal hole on Grand Avenue.

After listening to a series of lectures by the "Profs", we resolved to attempt the seemingly impossible course. Things were soon started under the leadership of Bert Bremner. Nelsen was appointed class "Tax Collector." Phillips took notes on class doings.

"Pete" Wassell starts Soccer with a vim. Pratt Church is found. Work begins to slacken, too many apple problems queer physics. Mr. Marlatt tries to renew interest with psychology talks, consequently less math. "Mickey" LaBarr starts tennis with "Bunk" Underhill as a side partner. "Port Hole" Hyde kept in reserve. Lots of fun in Chemistry Lab. Renz invents a new explosive, tries it on his hand and surrenders. Mr. Bivins, disgusted, tells how to commit suicide. Duckworth tries it with chlorine gas, almost succeeds. Vocal cords strained in drawing, Smith's quartet responsible. Mr. Heyman and "Mickey" agree to disagree. Zeidler also gets in trouble. Captain Wassell kicks at Basket-Ball team (too many games lost) resigns, general strike, reelected.

As a carpenter Louie Hyde proves a butcher. Under Van's careful guidance he cuts a steak off his hand. Miss Baker starts sparks flying in the lab, finishes the one amp. ammeter and numerous fuses. Many fellows test the Prony Brake but only take a shower. Pratt "Beanies" appear everywhere, E. E. men wear them to all classes. All get together at a class smoker and have a good time. Great enthusiasm shown at E. E. Dance, everyone feels the life in electricity. First year ends with scorching hot weather and all rejoice when final exams are over.

* * * * *

After three months of recreation most of the old crew returned to the good ship Pratt. The first two weeks were spent in digging up High School credentials, and signing up for Uncle Sam's service. Soon the "Gob" suit appeared in class, followed by the Army Khaki.

Several members were found missing from the ranks, but reinforcements arrived from an unexpected quarter commanded by Lieutenant Evans. Tom Jeffery took the President's chair, and Louis Hyde was made secretary. Nelsen again handled our spare change. Room 31 E was at once adopted as our sleeping quarters. Smith's snores were often heard. Electrical association started and interesting talks rendered. At the class smoker Fox and Hussey gave us a four round boxing match.

Great sport in electrical lab. "Mickey" starts off with a bang. Standard voltmeter shot. Wassell follows suit (110 on 3 volt scale). Steinmetz Bruslavsky wrecks a Wattmeter. Mr. Miller demonstrates the right hand rule from the top of the switchboard. "Oh, what a bunch of engineers". The girls in the next building hold our attention during write-up period. The design period might be better named the recreation period. Our imaginations are turned toward the infinite realm by Mr. Davis. Too deep for Phil Miller, trouble ensues. Instructors are sometimes late at 31-E, but it is advisable to be on time for Machine Work. Dooling leads the "Pink Slip" parade for the benefit of Mr. Burley.

The Basket-Ball Team with Kid Libby as Captain drives hard for the championship, losing only two games. Assignment for Easter vacation by Mr. Mudge, "One good time." (A real sport!)

Spring term begins with studious resolutions, only to be broken. Spring fever gets us all, no work and more play. Call for Base Ball fast team gets under way. Class moves to Steam Lab. Mr. Davis starts an after school math-class. "Pete" Wassell has a brilliant idea. Class tries early morning math,—bed proves too attractive for some.

Combined E. E. Dance a big success. Many electrical effects displayed by the live wires of the class. "Horse Power" Miller takes the crew to Schnecktady. Escorted thru the G. E. Works by P. I. Graduates. Trip was enjoyed by everyone and afforded an appropriate ending to our days at old P. I.

We wish to express our sincere gratitude to both our first and second year instructors, and to the officers of the Institute, who, thru their untiring efforts, have lifted us thus far thru life.



Industrial Electrical Engineering 1919



CLASS OFFICERS

L. T. HYDE

Secretary

E. E. STIDD

Vice-President

H. NELSON

Treasurer

T. A. H. JEFFERY

President

ELECTRICAL ASSOCIATION OFFICERS

C. H. SMITH

Secretary and Treasurer

MR. H. P. MILLER

Advisor

J. A. MORRIS

Vice-President

F. A. WASSELL

President

MEMBERS

Lewis Atlas
Thomas R. Blain
Ruvim Bruslavsky
Francis D. Crouchley
Robert D. Cullen
Carl E. Danielson
Henri C. Dooling
LeRoy N. Duckworth
Arthur W. Evans
Gustave Fink
Victor W. Fox

Linsley J. Fuller
Winslow S. Gallup
Henry E. Gieseler
Kenneth F. Grover
Fordyce C. Halsey
Stewart L. Harris
Hawthorne H. Hussey
Paul J. Huyssoon
Louis J. Hyde
Thomas A. H. Jeffery
Ernest A. Johnson

John K. Keers
Myron C. LaBarr
Mellen N. Libby
Harry A. Ludwig
Ralph Manning
Louis J. Meliere
Philip W. Miller
Joseph A. Morris
Anthony Natoli
Henry Nelsen
Walter Nielsen

Walter Renz
Edward Schneider
Chester H. Smith
John H. Squires, Jr.
Emerson E. Stidd
Edwin A. Stigberg
Arvid L. Swensk
George H. Underhill
Francis A. Wassell
Keyih Soochin Yuen
Carl Zeidler



LEWIS ATLAS,

335 Ellery Street, Brooklyn, N. Y.

"The overcurious are not overwise."

Soccer Foot Ball, '18. E

Baseball, '18-'19. E

Track Team, '19.

"Edison"

THOMAS RANDOLPH BLAINE,

Belleville, Ontario, Canada.

"I'm not in the role of common men."

"Tom"

RUVIN BRUSLAVSKY,

369 Vernon Avenue, Brooklyn, N. Y.

"No matter what the subject be, for information come to me."

"Brus"

FRANCIS DAVID CROUCHLEY,

Old Westbury, L. I.

"Well timed silence has more eloquence than speech."

"Crouch"



ROBERT EMMET CULLEN,
162 Maple Street, Naugatuck, Conn.

"Bob"

"Chip of the old block."

Baseball Team '18-'19. E

Basket-Ball Team '18-'19. E

CARL E. DANIELSON,
116 Magnolia Avenue, Arlington, N. J.

"Danny"

"Far be it from such."

HENRI C. DOOLING,
32 Lewis Street, Naugatuck, Conn.

"Henny"

"For to argue was his dominant passion."

Assistant Circulating Manager, "Prattonia" '19.

LeROY N. DUCKWORTH,
Jutland, N. J.

"Ducky"

"He worked but no one knew it"

Bowling Team, '19.

Baseball Team, '19.

Associate Editor "Prattonia" '19.



ARTHUR W. EVANS,

117 Alexander Avenue, Syracuse, N. Y.

"Always on the lookout for fresh victims."

Class Treasurer, '18.

Club Representative, '19.

Entered Class of '18.

"Artie"

GUSTAVE FINK,

315 Lennox Road, Brooklyn, N. Y.

"A 'HAM' there was."

"Gus"

VICTOR W. FOX,

506 Marshall Street, Elizabeth, N. J.

"The effects of peroxide."

Baseball Team, '18-'19. E

Basket-Ball Team, '19. E

Bowling Team, '19.

"Vic"

J. LINSLEY FULLER,

Speonk, L. I.

"The only one of his kind."

Baseball Team, '19.

"Fuller"



WINSLOW S. GALLUP,
Scotland, Conn.

"Pick"

"Anything but a quiet life."

Bowling Team, '19.

HENRY E. GIESELER,
769 Prospect Avenue, Bronx, N. Y.

"Henny"

"Quiet, but kind hearted."

KENNETH FLOYD GROVER,
Nineveh Junction, N. Y.

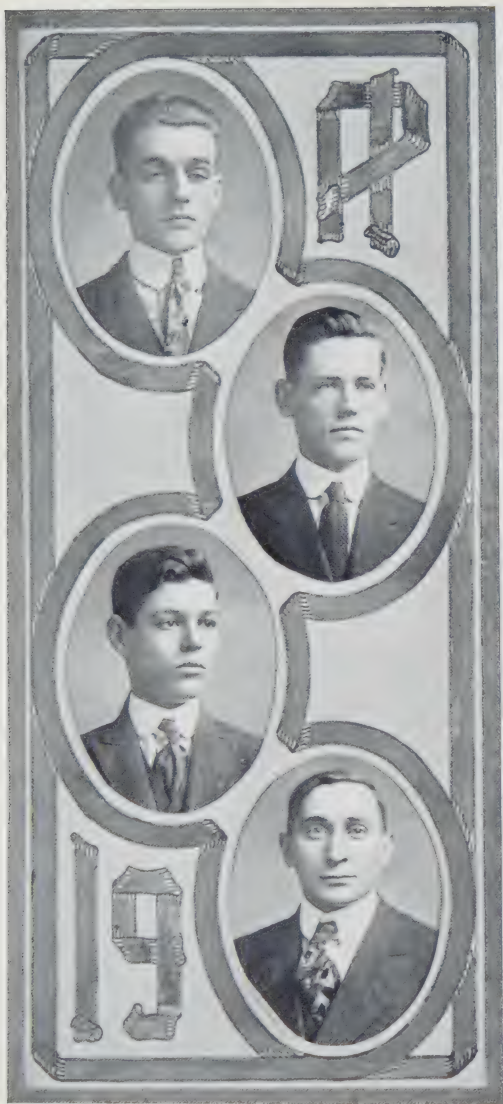
"Ken"

"When the farmer came to town."

FORDYCE COOK HALSEY,
Islip, L. I.

"Hals"

"Where e'er I may wander there's no place like home."



STEWART LENNOX HARRIS,

Quoque, L. I.

"Mind unemployed, is mind unenjoyed."

Track Team, '19.

"Slew"

HAWTHORNE H. HUSSEY,

Damariscotta, Me.

"One of the 'Devil Dogs'."

Soccer Foot Ball Team, '18.

Basket-Ball Team, '19. E

Baseball Team, '19.

"Huss"

PAUL JAMES HUYSSOON,

81 Fairmount Avenue, Hackensack, N. J.

"May he master electricity, the master of the age."

LOUIS HAROLD HYDE,

91 Herzel Street, Brooklyn, N. Y.

"A bad cent always returns."

Class Secretary. '19

Tennis Team, '18. E

Assistant Business Manager, "Prattonia" '19.

"Porthole"



THOMAS A. H. JEFFERY,

81 Franklin Street, Ansonia, Conn.

"I cannot hide what I am."

Class President.

Basket-Ball Team, '18. E

Member Student Council. '19.

A. A. Cheer Leader, '19. P

Athletic Manager, "Prattonia" '19.

"Jeff"

ERNEST ALBERT JOHNSON,

720 State Street, New Haven, Conn.

"Where there is life, there is hope."

"Johnnie"

JOHN KNOX KEERS,

224 81st Street, Brooklyn, N. Y.

"Nature hath formed strange fellows in her time."

Baseball Team, '18. E

Cartoonist E E Class, "Prattonia" '19.

"Jack"

MYRON CHARLES LaBARR,

Monticello, N. Y.

"For it has always been my way, never to do until tomorrow what was assigned for today."

Varsity Basket Ball Team, '18-'19. P

Baseball Team, '18-'19. E

Manager Tennis Team, '18. E

A. A. Representative. '19

"Mickey"



MELLEN NEWMAN LIBBY,

30 Elmwood Street, Portland, Me.

"Period"

"Small of stature but of great capacity."

Baseball Team, '18-'19. E

Captain Basket-Ball Team, '19. E

Manager Soccer Team, '18. E

HARRY A. LUDWIG,

333 Gates Avenue, Brooklyn, N. Y.

"Baron"

"To the studious study is happiness."

EDWARD RALPH MANNING,

91 West Street, Bayonne, N. J.

"Congo"

"Happy am I, from care am free, why aren't they all contented like me."

Assistant Circulating Manager, "Prattonia" '19.

LOUIS JULES MELIERE,

101st Avenue, Ozone Park, N. Y.

More work for the undertaker."



PHILIP WALDO MILLER,
Riverhead, L. I.

"Phil"

"It would talk, Lord how it talked."

JOSEPH ANDREW MORRIS,
56 Cedar Street, New Britain, Conn.

"Joe"

"There's nothing better than a bachelor life."

Basket-Ball Team, '19. E

ANTHONY NATOLI,
480 Myrtle Avenue, Brooklyn, N. Y.

"Nat"

"And then the shovel broke."

Captain Track Team, '18. Manager, '19. E

Soccer Team, '18. E

Baseball Team, '19.

Dramatics.

HENRY NELSEN,
West Sayville, L. I.

"Henny"

"Oh fate, where hast thou led me."

Class Treasurer. '18 '19.

Soccer Team, '18. E



WALTER SOMMER NIELSEN,
Oyster Bay, N. Y.

"Brownie"

"He did nothing in particular and did it well."

WALTER RENZ,
111 Sherman Street, Tompkinsville, Staten Island.

"Walt"

"There's much mischief in the man."

EDWARD G. SCHNEIDER,
Ramsey, N. J.

"Ed"

"He has something more than nonsense lying underneath his head."

CHESTER HERBERT SMITH,
121 Nash Street, New Haven, Conn.

"Chet"

*"Rather than be less
Cared not be at all."*

Basket-Ball Team, '19. E

Dramatics.

Secretary and Treasurer, Electrical Association.

Associate Editor "Prattonia" '19.



JOHN HENRY SQUIRES,

72 Bennet Place, Amityville, L. I.

"Jack"

"They go wild simply wild over me."

Soccer Team, '18. E

Baseball Team, '19.

EMERSON EDGAR STIDD,

Matamoras, Pa.

"Em"

"Everybody respects a self made man."

Class Vice-President.

Manager Track Team, '18.

Soccer Team, '18. E

Chairman Smoker Committee.

EDWIN A. STIGBERG,

1166 Bank Street, Waterbury, Conn.

"Stig"

"On with the dance, let joy be unconfined."

Manager Basket-Ball Team, '17. E

Entered Class of '18.

ARVID L. SWENSK,

408 Davis Avenue, Arlington, N. J.

"Arv"

"And oft he burned the midnight oil."



GEORGE HAROLD UNDERHILL,

78 So. Hamilton Street, Poughkeepsie, N. Y.

"Bunk"

"The heart breaker."

Manager Tennis Team, '19. E

Basket-Ball Team, '19. E

Manager Bowling Team, '19.

Baseball Team, '19.

FRANCIS A. WASSELL,

808 Pleasant Street, Schnectady, N. Y.

"Pete"

"Man, false man, smiling destructive man."

Captain Soccer Team, '18. E

Captain Basket-Ball Team, '18. E

Baseball Team, '18 Mgr. '19. E

President Electrical Association.

Varsity Basket-Ball Squad, '19.

KEYIH SOOCHIN YUEN,

P. O. Box 835. Shanghai, China.

"Yen"

"A man he was to all his fellows dear."

CARL W. ZEIDLER,

Secausas, N. J.

"Spuds"

"Slow of speech but mighty of thought."

Baseball Team, '19.

Forty-four

Pratt Institute Electrical Association

The main purpose of the Pratt Institute Electrical Association is to furnish an opportunity to study the theory and practical operation of electrical machinery, particularly those types which lie outside the scope of the course in Industrial Electrical Engineering, such as power plant operation, telephony, radio, signalling, etc.

The Association was founded strictly as a student organization and has held to that policy since the beginning. All meetings are held outside of school hours in the Institute classrooms or Assembly Hall. Attendance is not compulsory and the entire program is conducted by the students. All officers are elected by the association members, and at each meeting a subject is presented by a member of the association, usually on some work with which he has become familiar thru practical experience.

Several times during the year special meetings are arranged and outside speakers connected with various branches of the electric industry, are secured. These men give short lectures on the commercial side of the subject which are of great benefit to the association.

The plan of leaving the entire organization to the students has proved very successful inasmuch as it develops several traits which would not be brought out otherwise. Members are obliged to use personal initiative in the correct preparation and presentation of technical subjects. They also overcome the fear of speaking before an audience and develop an ability along that line.

The association was founded in 1902 and during the first few years of its life consisted of both the first and second year classes in what was then known as Applied Electricity. However, many of the subjects which were presented by the second year men were too far in advance of the work being done in the first year classes. As a result the first year men began to lose interest in the meetings. In 1906 the constitution was amended, allowing only second year stu-

dents to become members of the association. This proved to be more satisfactory and the interest of the members immediately increased, as was shown in the year 1907-1908, which was one of the most successful years of the association. In the following years the good work continued and remarkable progress was made until now the Electrical Association holds a permanent and important place in the student activities of the electrical class.

When the present class returned in September 1918 it was apparent that the effects of the World War had reached into the life of the school. A feeling of uncertainty prevailed and it was next to impossible to promote outside organizations, as a great part of the student's time was occupied by the military activities of the school. These conditions existed until the signing of the armistice. At the beginning of the second term some progress in organization was made and officers elected as follows: President, F. A. Wassel; Vice-President, J. A. Morris; Secretary and Treasurer, C. H. Smith. Mr. H. P. Miller acted as advisor.

In spite of the late start eight meetings were held, one of which was a joint meeting with the Mechanical Association. The topics presented were as follows:

Radio Telegraphy	Mr. Powers
Choosing A Motor for Various Shop Machines	Mr. Fenniger
Inside House Wiring	Mr. Schneider
Railroad Signalling	Mr. Fox
Construction of an Amature Radio Set	Mr. Underhill
Westinghouse Test Course	Mr. Fenniger
Power Factors in a Generator and Synchronous	
Motors	Mr. Dooling
Storage Batteries	Mr. Yeager



CHEMISTRY BUILDING



Industrial Chemical Engineering 1919



CLASS OFFICERS

D. P. BROWN <i>President</i>	G. L. DUNLAP <i>Vice-President</i>
B. K. WILLIAMS <i>Secretary</i>	N. PHELPS <i>Treasurer</i>

WÖHLER ASSOCIATION OFFICERS

J. G. WALKER <i>President</i>	C. H. SAYLOR <i>Secretary</i>	E. W. KLOSSNER <i>Vice-President</i>
MR. LAFFERANDER <i>Advisor</i>	N. PHELPS <i>Treasurer</i>	

MEMBERS

Frank J. Andes
George L. Ballentine
Donald P. Brown
E. Zachary Cassidy
George L. Dunlap
Elden M. Fairbrother
Richard H. Flaherty
Arthur Thomas Foley

Vernon W. Grant
James K. Harroun
Raymond Helmer
James W. Hunter
Warren A. Ingram
Katsunosuke Iyenaga
Louis G. Kaufman
John F. Keast

Edwin A. Mattson
Joseph A. Mayer
Samuel Meyer
Neal Phelps
John W. Picken
Leon F. Powers
Lawrence R. Repp
Dominic Sasso

Michael P. Schubert
Donald D. Smith
Frank N. Stearns
George H. Vander Borgh
Joseph G. Walker
William S. Wassel
Benjamin K. Williams

History

Industrial Chemical Engineering, 1919

On the 19th day of September 1917, thirty-five of us met for the first time in Room 16C of the Chemistry Building. The instructor in charge, Mr. Ballou, gave us the double O and demonstrated just what was expected of us. He caused the swelling of a few of our heads when he told us we were a picked bunch, but the heads quickly contracted when he remarked that at least five hours studying each night would be found necessary; and that one absence from recitation without a good reason was sufficient cause for "busting" a student, incidentally remarking that the Institute would not necessarily close down because of the loss of a few students. Having thus lightened our future, he proceeded to point out just what he expected of us in mathematics. He exhibited some work books of former students, which in our minds were remarkable productions but he quickly chased away all signs of joy by remarking that if any of us fellows attempted to hand in such junk as that they would "get the gate" in no time. At this, those who had paid their tuition began to feel shaky but each one consoled the other and we pulled through the first day at Pratt without a casualty.

By the end of the first week, things began going great and we found that life at Pratt was not so bad after all.

Not one of us will forget the many pleasant hours spent with Mr. Allen because of his whole hearted interest in us as students and future chemists. He took us through the pitfalls and pleasures of our first year in Chemistry, his many fatherly councils inspiring us to keep up the "traditions" of the Chemistry class and of the Institute, and his instruction gave us a stiff backbone on which to build in our second year.

The mysteries of Mechanics, Electricity and Heat were solved for us by Mr. Isenberg. Force diagrams, incline planes, elevator problems, Ohm's law, transformers, and B. T. U.s were wrestled with and sometimes cleared up in the laboratory under Mr. Fenrigger's directions.

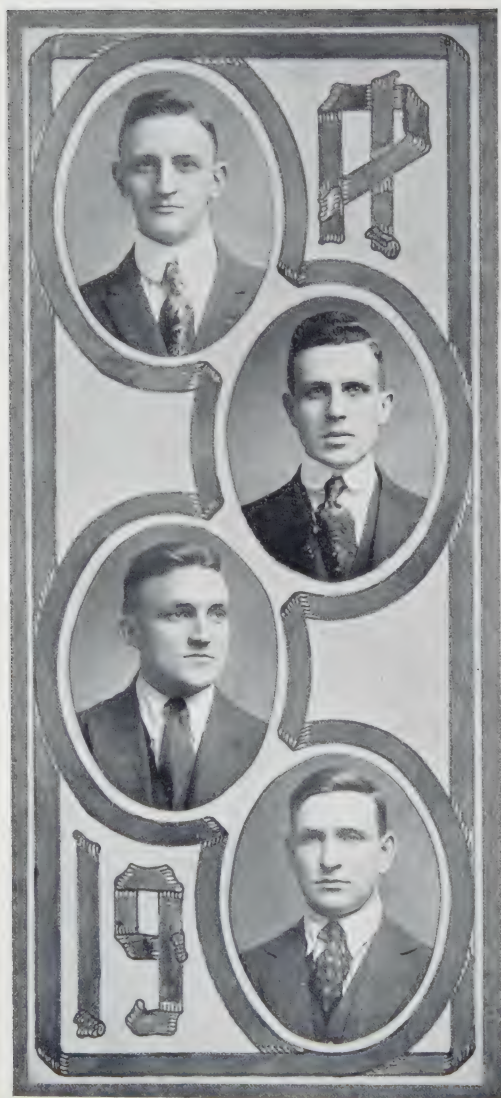
Our rapid grasp of "Mechanical Drawing by Anson W. Smith" made necessary a change in instructors early in the year. Forge and Foundry made us get into overalls and work. Carpentry

—always a joy to Chemists; the two terms under the careful eye of Mr. Saylor left no regrets.

The second year opened with several seats vacant. The S. A. T. C. took our minds off our work and also our interest for class and Institute activities. Consequently the signing of the Armistice was welcomed by all because it brought back old ideals and interests and also those fellows who had enlisted in the spring. Some of the men who had entered the class of '18 and enlisted before graduating were added to our number.

In spite of army life, Mr. Lafferander gave us chapter after chapter from the "Bible", weekly examinations, and very interesting lectures on Industrial Chemistry. He also used brave efforts to clear up our difficulties in Organic Chemistry. Soon after the beginning of the Winter Term Dr. Rogers came back to us. By his knowledge of industrial methods he brought the outside chemical world very close to us. The trips that he arranged benefited us in many ways and broadened our knowledge of Industrial Chemistry. Under the careful guidance of Mr. Dowd we became, in our own minds, expert analysts of water, coal, iron and steel, silicates, alloys, pigments, and foods.

In athletics, the class record will compare favorable with any other class in the Institute. Basketball was the first sport we hit, and we furnished the whole team that represented the Chemistry Department in the inter-class tournament of 1917-18. The team worked its way right up to the finals and was just nosed out for the championship. Inasmuch as this was the first season the team played together the showing it made is one to be proud of. The Chemistry baseball team which was a runner-up in the championship tournament of 1918 was made up mostly of second year men. The tennis team of the same year was entirely second year men. In the 1918 inter-class track meet, Chemistry carried off high honors, beating the nearest competitor team by more than ten points and incidentally winning the half mile relay. Once again the class showed its talent by winning the Bowling tournament of 1919, proving that Chemistry men are just as good in athletics indoors as out in the open.



FRANK JOHN ANDES,

1700 Whiteboro Street, Utica, N. Y.

*"He cometh unto you with a tale which holdeth children from
play, and old men from their chimney corner."*

GEORGE LAYTON BALLENTINE

"Bally"

R. F. D. No. 3, Somerville, N. J.

*"A grave and sombre man, whose beetling brow
O'er hangs the rushing current of his speech."*

Manager Pool Team, '19.

Bowling Team, '19.

Assistant Circulating Manager "Prattonia." '19

DONALD PETER BROWN.

"Don"

1479 Woodhaven Avenue, Woodhaven, N. Y.

*"He was the mildest mannered man
That ever scuttled ship, or cut a throat."*

Class President, '18 '19.

Varsity Basket-Ball, '18, '19. P

Class Baseball, '18. C

Class Tennis Team, '18 '19. C

Manager Class Track Team, '19.

Associate Editor "Prattonia" '19.

EUGENE ZACHARY CASSIDY.

"Zack"

Floral Park, Long Island, N. Y.

*"And oft he's the wisest man,
Who is not wise at all."*

Class Baseball, '18.

Class Track, '19.



GEORGE LAYTON DUNLAP,

79 Barbey Street, Brooklyn, N. Y.

"The world knows nothing of its greatest men."

Class Vice-President, '18, '19.

Associate Editor "Prattonia" '19.

"Ditty"

ELDEN MERLE FAIRBROTHER,

R. F. D. No. 2, Guilford, Maine.

"The noblest mind the best contentment has."

"Brother"

RICHARD HENRY FLAHERTY,

94 Prospect Street, Greenwich, Conn.

"Of manners gentle; of affections mild."

"Dick"

ARTHUR THOMAS FOLEY,

326 Classon Avenue, Brooklyn, N. Y.

"But, Oh, ye lords of ladies intellectual;

Inform us truly, have they not hen-pecked you at all?"

Class Track, '18.

"Little Artie"



VERNON WATSON GRANT,

"Vernie"

Edwards, St. Lawrence County, N. Y.

*"May pleasure never tempt us that night was made for repose,
day for action."*

Class Track, '18.

Class Soccer, '18. C

JAMES KENNETH HARROUN,

"Busler," "Stupid"

211 North Street, Willimantic, Conn.

*"Who first invented work and bound the free and holiday
rejoicing spirit down"*

Entered Class of 1918.

Manager Class Tennis, '17. C

Class Pool Team, '19.

RAYMOND GRANT HELMER.

"Dutch"

389 Main Street, Little Falls, N. Y.

*"Up; Up; my friend, and wit your books,
Or surely you will grow double."*

Class Basket-Ball, '18, '19. C

Class Baseball, '18, '19. C

JAMES WORTHINGTON HUNTER.

"Jimmie"

Wappingers Falls, N. Y.

"Beautiful as sweet; and young as beautiful; and soft as young."

Class Tennis, '18.



WARREN ARTHUR INGRAM,

Foxboro, Mass.

*"We grant, altho' he had much wit,
He was very shy of using it."*

Dramatics.

Chairman of Class Smoker Committee.

"Dutch"

KATSUNOSUKE IYENAGA,

2 Macon Street, Brooklyn, N. Y.

*"Like a painted Jove,
Kept idle thunder in his lifted hand."*

"Nippon"

LOUIS GEORGE KAUFMAN,

1 Thatford Avenue, Brooklyn, N. Y.

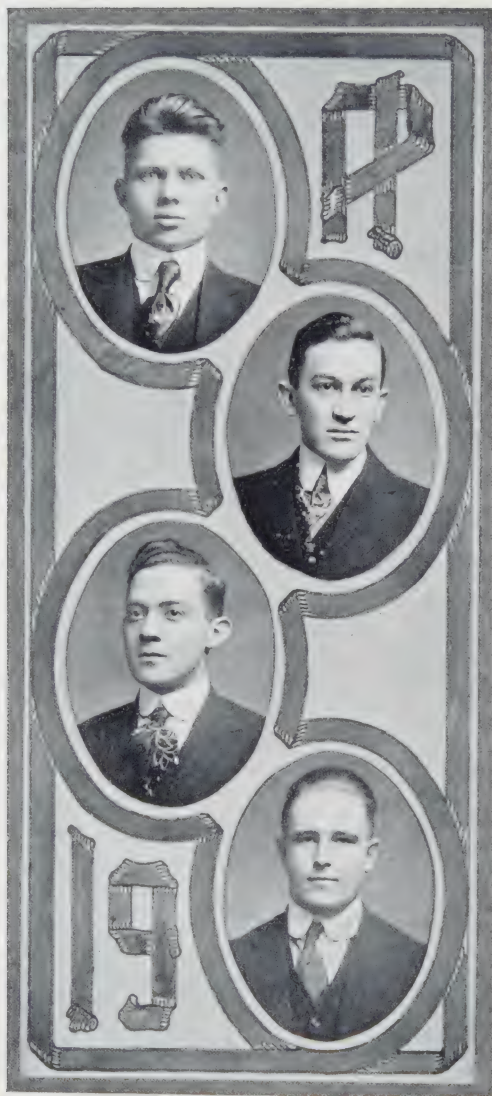
*"His wit invites you by his looks to come;
But when you knock, there's nobldy at home."*

JOHN FREDERICK KEAST,

83 Main Street, Ocean Grove, N. J.

"Who thinks too little, and talks too much."

Bowling Team, '19.



EDWIN A. MATTSON,

Maple Street, Branford, Conn.

*"The Devil hath not, in all his wivers choice,
An arrow for the heart like a sweet voice."*

Manager Class Baseball, '19. C

Class Basket-Ball, '18 '19. C

A. A. Executive Secretary, '19

Member Student Council, '19

"Swede"

JOSEPH ALOYSIUS MAYER,

111 Steuben Street, Syracuse, N. Y.

*"He could distinguish and divide,
A hair, 'twixt south and southwest side."*

SAMUEL MEYER,

340 1st Avenue, New York City.

"He is well paid who is well satisfied."

Class Basket-Ball, '19. C

"Sam"

NEAL ANDREW PHELPS.

17 Xeazie Street, Old Town, Maine.

*"A happy soul, that all the way,
To heaven hath a summer day."*

Class Treasurer, '18, '19.

Treasurer, Wohler Chemical Association, '18, '19.

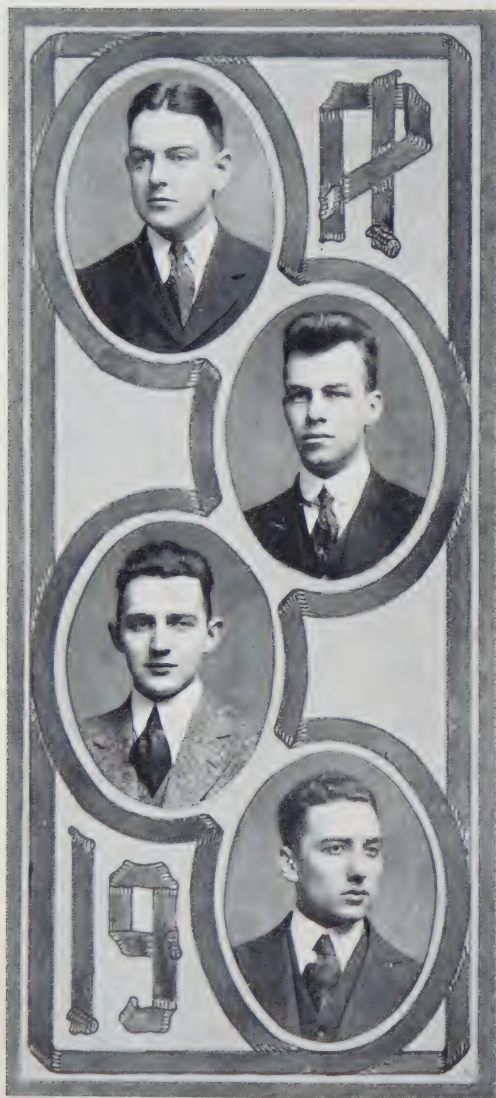
Class Basket-Ball, '18, '19. C

Class Baseball, '18, '19. C

Class Soccer, '18. C

Class Pool Team, '19.

"Fat"



JOHN W. PICKEN,
418 W. 144th Street, New York City.

"Pick"

*"Then he will talk—good gods, how he will talk,
Could swell the soul to rage, or kindle soft desire."*

LEON FRANCIS POWERS,
Millers Falls, Mass.

"Lee"

*"And when a lady's in the case,
You know all other things give place."*

Entered Class of 1918.
Assistant Business Manager "Prattonia" '19.

LAWRENCE ROLAND REPP,
438 Waverly Place, Richmond Hill, N. Y.

"Larry"

"I am as free as nature first made man."

Manager Class Basket-Ball, '19. C
Class Track Team, '19.

DOMINIC SASSO,
32 Mt. Prospect Avenue, Newark, N. J.

"Sass"

"None but himself can be his parallel."



MICHAEL PETER SCHUBERT.

R. F. D. No. 2, Bound Brook, N. J.

"Happy though married."

Entered Class of 1918.

Class Baseball, '17. P

Class Soccer, '16. C

"Mike"

DONALD DUNCAN SMITH,

30 River Street, Milford, Conn.

*"But on and up, where Nature's heart
Beats strong among the hills."*

"D.D."

FRANK NASH STERNS,

Westport, Conn.

*"He made an instrument to know
If the moon shine at full or no."*

Class Basket-Ball, '18, '19. C

Class Baseball, '18, '19. C

GEORGE HENRY VANDER BORGH,

West Sayville, N. Y.

"Thought is deeper than all speech."

"Bonc"



JOSEPH GODFREY WALKER.

30 Church Street, Walden, Mass.

*"Who'er she be,
That not impossible she,
That shall command my heart and me."*

Wohler Chemical Association President, '19.

Wohler Chemical Association Vice-President, '18.

Class Baseball, '18 '19 C

"Walk"

WILLIAM S. WASSELL,

Wilkes-Barre, Penn.

"I am but a gatherer and disposer of other men's stuff."

Class Basket-Ball, '18.

Class Baseball, '18. C

"Wass"

BENJAMIN K. WILLIAMS,

East Stroudsburg, Penn.

*"Alas; the love of women; it is known
To be a lovely and a fearful thing."*

Manager Varsity Basket-Ball, '19. P

Class Secretary, '19.

Assistant Athletic Manager, "Prattonia" '19.

"Bill"

OLD P. I. OLD P. I.

Now's the time for to do or to die

So pull up your muscle

Get up and hustle

And fight for honor,

Old P. I.

Have a care and beware,

For we're out for to meet with the foe,

Put them over

We'll put them over

And we won't give up

Till it's won for old P. I.

PRATTONIA

We're Pratt men born,

And we're Pratt men bred;

And when we die,

We'll be Pratt men dead.

Ray! Ray! Prattonia—tonia,

Ray! Ray! Prattonia—tonia,

Ray! Ray! Prattonia

PRATT, PRATT, PRATT!

Wöhler Chemical Association

The Wöhler Chemical Association was organized in 1906 soon after the Chemistry Class '07 had taken possession of the fine building which the Trustees of Pratt Institute had erected and equipped for the home of the newly established Course in Applied Chemistry. The Association included both the First and Second Year Students in the day Courses in Chemistry. This union of the different classes has brought about a peculiarly close compact of the Chemistry men of the Institute. It has been a vital factor in cementing Chemistry into an effective organic unit.

The object of the Association has been three fold. First, to foster good fellowship, promoting loyalty to the Institute and to the Chemistry Department, thus developing a strong Pratt Spirit. Second, to provide meetings from time to time where subjects interesting and useful to students in chemistry could be discussed by leading men in chemical industries and by the students themselves. Third, to secure co-operation among the chemistry men in athletic activities and in social affairs.

The name of the Association was selected in honor of Friedrich Wöhler, a renowned chemist, born one hundred and twenty years ago, whose accurate experimental work resulted in remarkable developments in the field of organic chemistry which in his time was rapidly growing in importance. He also did original work in the field of inorganic chemistry which lead to the discovering of aluminum and the invention of commercial methods of extracting this valuable metal. The name, Wöhler, was well chosen for it has ever been an inspiration to the young chemist of Pratt Institute.

It is easy to trace the development of the threefold idea of the Wöhler Association in its effects upon the body of Chemistry students at Pratt Institute.

It is acknowledged that the implanting of that fine virtue called Pratt Spirit and the growth of loyalty in all of the men of the Chemistry Department has been developed to a remarkably high standard by the influences which the Association has exerted.

The meetings have always been interesting and valuable and though voluntary have ever been loyally supported. Experts in very many branches of technical and industrial chemistry have spoken at the meetings and members of the Association who have had the advantage of industrial training have freely given to their fellow chemists the benefits of their practical experience. The result has been that the members at all times have been kept in touch with the industrial world and have been informed of the experiences of workers in the field of Chemistry. During the present year these activities of the Association have been in a measure upset by the unsettled conditions. Now that the S. A. T. C. commotions are over and the pre-war conditions are being resumed, the Wöhler Chemical Association is looking confidently with renewed enthusiasm to still higher achievements.

Banded together by the Association the members of the Chemistry classes have been noted as a unit in Institute Athletics and in social activities. There has been no year in which the record of Chemistry in competitive athletics has not been an honorable one. Each year the smokers, the beefsteak dinners, the shows, the dances of the Wöhler Association have been conducted in a manner which has warranted the enthusiastic support of Students, Alumni, and Faculty of the Chemistry Department.

The officers of the Association for 1919 are: President, J. F. Walker; Vice-President, E. W. Klossner; Secretary, C. H. Saylor; Treasurer, N. Phelps. Advisor, Mr. Lafferander.

Enlistments—1919 Classes

Excluding the 400 students enlisted in the Students Army Training Corps

INDUSTRIAL MECHANICAL ENGINEERING

Brams, Jesse—Private, C. A. C., Ft. Tilden, N. Y.
Briggs, Herbert E.—Navy, 2nd class torpedoman.
Binder, John F.—Corp., 11th Ammunition Train, Camp Meade, Md.
De Gowin, Courtney A.—U. S. Army, Camp Devens, Mass.
Fleming, Harry F.—Aviation Section, Signal Corps.
Fletcher, Arthur T.—U. S. Navy.
Garey, Carey C.—2nd Lieut., Artillery, Camp Taylor, Ky.
Gruschow, William H.—Canadian Flying Corps.
Hutton, Gerald A.—2nd Lieut., Artillery, Camp Taylor, Ky.
Kalm, Herbert C.—Corp., Engineering, Fortress Monroe, Va.
Krause, Carlos W.—Private, Infantry, A. E. F.
Rock, Wolcott—U. S. Navy.

Rowland, Joseph R.—Merchant Marine.
Smith, Ralph H.—Draftsman, Dept. of Interior, Washington, D. C.
Safran, Frank—Merchant Marine.
Schaefer, Fred J.—Corp., Heavy Artillery, C. A. C., Camp Rustic, Va.
Shaw, Howard E.—U. S. Army.
Turcott, David—Private, Chemical Warfare Service, Edgewood Arsenal, Md.
Walcott, Allan P.—2nd Lieut., Infantry, Alfred University.
Nagel, Harold E.—Private, 167th Aero Squadron, A. E. F.
Van Zelm, H. B.—U. S. Navy, 2nd class Quartermaster, U. S. S. Leviathan.

INDUSTRIAL ELECTRICAL ENGINEERING

Alfandri, I. H.—Student, Radio School, Newport, R. I.
Benson, Albert G.—Ensign, Student, Radio School, Newport, R. I.
Bremner, Bert—American Expeditionary Forces.
Calkin, Lindsley—Motor Mechanic, American Expeditionary Forces.
Curtin, H. T.—Pilot, Royal Air Forces.
Dooling, H. C.—Radio School, Pelham Bay, N. Y.
Evans, A. W.—2nd Lieutenant, U. S. Army, Camp Devens, Mass.
Gregory, A. V.—U. S. Naval Radio Service.
Hawthorne, John A.—Inspector, Ordnance Department.
Hussey, H. H.—Corporal, Marines, Paris Island, S. C.
Hyde, L. J.—Yeoman, U. S. S. Leviathan.
Jackson, Wendell P.—N. Y. State Guard.
Hughes, B. A.—American Expeditionary Forces.

McQuillan, Arthur J.—Aviation Section Signal Corps.
Michel, Charles J.—1st Class Musician, Pelham Bay Naval Training Station, N. Y.
Mochridge, C. C.—U. S. Naval Reserve Force.
Natoli, A.—C. M. 2nd Class, U. S. Naval Flying Station, Charleston, S. C.
Phillips, Fred W.—U. S. Naval Reserve Force.
Schneider, E.—Camp A. A. Humphreys, Virginia.
Sengstaken, Stanley L.—Signal Corps.
Stigberg, E.—Sergeant, Signal Corps, Camp Sheridan, Ala.
Westlake, Sherwood V.—1st Class Electrician, U. S. Army Transport Service.

INDUSTRIAL CHEMICAL ENGINEERING

Brown, Donald P.—U. S. Navy.
Coonan, Philip L.—Aviation Section Signal Corps.
Dennis, Norman F.—U. S. Navy.
Dickerson, Frederic A.—U. S. Navy.
Foley, Arthur T.—U. S. Navy.
Gustaw, Joseph A.—Ordnance Dept., Army.
Ingram, Warren A.—46th Signal Corps, Service Co.

McIntyre, William H.—Aviation Section, Engineers' Reserve Corps.
Repp, L. Roland—U. S. Navy.
Roraback, George W.—Engineer of Tests, Ordnance Dept.
Harroun, James K.—Signal Corps, U. S. Army.
Powers, Leon F.—2nd Lieut. Field Artillery, U. S. Army.
Schubert, Michael P.—U. S. Army.

Characteristics of 1919

	Mechanical	Electrical	Chemical
Most Popular	Meyer	Jeffery	Brown
Class Grind	Hall	Morris	Helmer
Biggest Bluffer	Johnston	Dooling	Wassell
Best Dancer	Fitelson	Stigberg	Powers
Class Knocker	Hammar	Danielson	Mattson
Best Natured	Van Wagner	Hyde	Iyenaga
Class Athlete	Fitelson	La Barr	Phelps
Optimist	Fahy	Hyde	Keast
Pessimist	Kenny	Miller	Mayer
Laziest	Olsen	Nielson	Foley
Quietest	Jacobus	Meliere	Smith
Comedian	Van Zelm	Bouslavsky	Shubert
Most Sarcastic	Hodkinson	Gallup	Andes
Class Baby	Brown	Halsey	Hunter
Woman Hater	Walcott	Swensk	Walker
Most Dignified	Bronson	Blain	Ingram
Done most for school	Scott	La Barr	Williams
Done most for class	Appleton	Jeffery	Fairbrother
Most Liable to Succeed	Van Zelm	Underhill	Nobody
Biggest Pest	Vernet	Nielsen	Kaufman

Humor

Conjugation: he sighed, she sighed, they sighed,—outside.

Mr. Dowd—"Mr. Waselski, what happens to the butter when you put it in the oven?"

Waselski—"It gets hot."

Mr. Dowd—"Displaying your usual intelligence this morning."

Mr. Saylor refuses to use any more Pratt soap. He says the sawdust makes him rough, or rougher.

Mr. Miller nearly had his evening spoiled at a recent faculty party. Someone almost stole the sandwiches that were left over.

Some say that the English vocabulary has been enriched by Mr. Kottcamp at some of the faculty duck pin bowling games.

"Smash 'em up Bivins" is still batting about 1,000 with the electrical chemistry students. He counts that classroom period as lost when at least two breakers and six test tubes do not "go west."

"When in trouble, see Heyman." "He stops at nothing."—Pullman Engineering service.

"Shut up and sit down." When the fog lifts Mr. MacCoul's face has resumed its usual agreeable expression.

Mr. Van Gaasbeek discovered the cupola in the foundry to be very efficient. The *iron* comes out of both sides.



Class of 1920. Industrial Mechanical Engineering

Top Row: Jones, Ericsson, Endress, Dugan, Niper, Anderson, Huda, Brandon, Carlson, Denholm, Acheson, Lesko, Brooks, Kane Carr, Case, Balthazar.

Second Row: Bancroft, Macaulay, Murray, Clark, Hedling, Sherman, Kerry, Vinton, Denny, Goodman, Sanford, Knox, Layer, Nichols, Nelson.

Third Row: Seamon, Vanderveer, Reynolds, Frederick, Dasso, Strong, Brown, Pavlik, Jewell, Munder, Hildreth, Hummel, Cannon, Sadler, Disbrow.

Fourth Row: Hanau, A. Murray, Remig, Skalski, Seibel, Roberts, Gallagher, Mr. Bivins, Mr. Isenberg, Mr. Saylor, Mr. Heyman King, Piserchi, Mangels, Boyle.

Front Row: Tsing Za, Gartner, Binder, Kremenetsky, Newman.

Industrial Mechanical Engineering--1920

Officers

Alexander J. King	<i>President</i>
Karl G. Layer	<i>Vice-President</i>
Joseph E. Balthazar	<i>Treasurer and Secretary</i>
Rudolph E. Huda	<i>Assistant Secretary</i>

MEMBERS

John M. Acheson
Clifton Anderson .
Joseph E. Balthazar
Paul Bancroft
John A. Binder
Edward A. Boyle
Orville G. Brandon
Charles E. Brooks
Hugh S. Brown
John L. Cannon
Howard R. Carlson
Donald G. Carr
Allen W. Case
Theodore S. Clark
Bernard W. Corless
Ricardo A. Dasso
George E. Denholm
Hosia Denning

Franklyn W. Disbrow
William A. Dugan
John Endress
Ralph W. Ericsson
William Foltermann
John W. Frederick
Thomas J. Gallagher
Emil Gartner
Abraham M. Goodman
Walter L. Hanau
Henry G. Hedling
Harold F. Hildreth
Fred J. Hummel
Rudolph E. Huda
James H. Jewell
Kenneth K. Jones
James Kane
Francis Keating

Russel T. Keery
Alexander J. King
Horace B. Knox
David B. Kremenetsky
Karl G. Layer
Stephen Lasko
Martin J. Lynch
Marcus B. Macaulay
Frederick W. Mangels
Milton S. Mogan
John F. Munder
Alfred Murray
George H. Murray
James J. Nealis
Walter Nelson
Irving Newman
Stephen S. Nichols
Louis S. Niper

William J. Pavlik
Felix Piserchi
Philip W. Remig
Eugene R. Reynolds
Herschell E. Roberts
Robert A. Sadler
Harold W. Sanford
Walter H. Seaman
Lester R. Seibel
Palmer R. Sherman
William T. Skalski
Albert W. Strong
Gordon W. Thornton
John D. Vanderveer
John W. Van de Water
William H. Vinton
Richard W. Wilson
Tsing Za



Class of 1920. Industrial Electrical Engineering

Top Row: Ketcham, Speizie, Smith, Pape, Vreeland, Lutz, Winterhalter, Strong, Phillips, Tenny, Bagg, Ford, Costello, Hass.

Second Row: Levinson, Fleming, Vasiliadis, Adams, Buetter, Byersdorfer, Teetsel, Harris, Swenson, Cook.

Third Row: Michel, Mochridge, Hall, Rackett, Hubbell, Quinn, Hale, Hilsdon, Dion.

Fourth Row: Hoyt, Levy, Wunderlicht, Jennings, Gardner, Shapiro, Hoffman, Dengler, Berger, Carr, Dodd.

Fifth Row: Bedson, O'Connell, Bangert, Brill, Kaplan, Keenan, Fowler, Goodman, Lincks, Hearn, Basta, Beebe, Dember, Dacey.

Front Row: Mr. Heyman, Mr. Isenberg, Erickson, Mr. Bivins, Stewart, Mr. Smith, Mr. Robertson, Brophy.

Industrial Electrical Engineering—1920

Officers

Douglass G. Stewart	President
Walter T. Erickson	Vice-President
Edward W. Brophy	Secretary
Byron H. Jackson, Jr.	Treasurer

MEMBERS

William R. Adams
 Raymond J. Bagg
 Valentine F. Bangert
 Carlo Basta
 Joseph H. Bedson
 Radford N. Beebe
 Clarence E. Berger
 Erwin G. Beutter
 Fred A. Beyersdorfer
 Phillip Brill
 Edward W. Brophy
 John D. Carr
 C. H. Case
 Jerome E. Cook
 John Costello
 Daniek J. Dacey, Jr.
 David Dember
 Arthur G. Dengler

Raymond P. Dion
 Henry E. Dodd
 Walter T. Erickson
 George Fein
 W. Kent Ford
 Furman F. Fleming
 Harry R. Fowler
 Sigmund Freisinger
 Edwin S. Gardner
 Richard J. Goodman
 William J. Hass
 Gilbert H. Hale
 Milton E. Hall
 Everett Harris
 George K. Hearn
 Dudley L. Hoyt
 W. Irving Hubbell

George W. Hoffman
 Clarence E. Hilsdon
 Byron H. Jackson, Jr.
 Frank B. Jennings
 Abraham H. Kaplan
 Arthur J. Keenan
 Truman J. Ketcham
 Joseph Levinson
 Benjamin Levy
 George F. Lincks
 William E. Lutz
 Alton M. Martin
 Peter Mazzochi
 Charles J. Michel
 Charles C. Mockridge
 John H. Mueller
 John E. O'Connell

Eric Pape
 Cornelius W. Phillips
 Edward A. Quinn
 Alton M. Rackett
 Morris Shapiro
 Harry L. Smith
 Albert A. Spiezia
 Douglass G. Stewart
 Lewis B. Strong
 Albert V. Swenson
 David F. Teetsel
 Warren C. Tenney
 Nicholas C. Vasiliadis
 J. Pierson Vreeland
 Harry Weitman
 Theodore S. Winterhalter
 Carl D. Wunderlich



Class of 1920. Industrial Chemical Engineering

Top Row: Roth, Saltzman, Noetling, Schultz, O'Brien, Ackland, Knudson, Bennett.

Second Row: Wisner, Zysk, Hoyt, Rappa, Lacher, Burr, Tsai, Lichtenberg, Klossner, Jonassohn.

Third Row: Keery, Franzblau, Deutsch, Durkin, Peterson, Tucker, Chung, Shepherd, McIntyre, Hess, Kiviat, Bogart, Runde.

Fourth Row: Straus, Garretson, Lamenzo, Cohen, Saylor, Cowen, Connelly, Nagel, Wolkowsky.

Bottom Row: Byron, Rubin, Mr. Allen, Mr. Austin, Eldridge, Daley.

Industrial Chemical Engineering—1920

Officers

Harold Rubin	<i>President</i>
Thomas F. Byron	<i>Vice-President</i>
Allan E. Eldridge	<i>Secretary</i>
Joseph F. Daley	<i>Treasurer</i>

MEMBERS

Myron Ackland
John A. Bennett
Clarence S. Bogart
Wesley L. Burr
Thomas F. Byron
Siu Shan Chung
Robert Cohen
Robert Cowen
William H. Connelly
Joseph F. Daley
Nathaniel Deutsch

Cyril D. Durkin
Allan E. Eldridge
Abraham Franzbau
William L. Garretson
Louis E. Hess
Robert H. Hoyt
Otto A. Jonassohn
Edward Keery
Ernest W. Klossner
Charles J. Knudson
Frank Kiviat

Aaron A. Lacher
Ralph W. Lamenzo
Charles Lichtenberg
William H. McIntyre
Charles E. Nagel
Frederick P. Noetling
James J. O'Brien
John A. Peterson
Angelo M. Rappa
Leon J. Roth
Harold Rubin

Herbert G. Runde
Joseph Saltzman
Charles H. Saylor
William A. Schultz
Richard S. Shepherd
Edwin G. Straus
Ju Yi Tsai
Alfred Tucker
Leo Wolkowsky
Rolland A. Wisner
Walter F. Zysk



Class of 1919. Machine Construction

Top Row: Metzler, Kinhead, Henry, Carrington, Folsom, Metzger, Saybrook, Sweeney, Somers.

Second Row: Himes, Brickman, Kneeshaw, Tileben, Gallagher, Reid, Kirchner, Dedun.

Third Row: Snyder, Mountain, Denny, Nicolescu, Mahler, Ennes, Bellmare, Gliedt.

Bottom Row: Miles, Mr. Martin, Mr. Burley, Thieme, Brockmeyer, Stanley, Kazmierski, Mr. Bare.

Machine Construction—1919

Officers

William H. Fenn *President*
Vincent C. Kazmierski *Treasurer*

MEMBERS

Fred W. Allmendger	William H. Fenn	Christian A. Kirchner	Otto Saybrooke
William Ashenn	Charles D. Folsom	Frank J. Kneeshaw	Ernest L. Scott
Francis Bellmare	George W. Fricke	Harry Mahler	Frank M. Snyder
Harry Brickman	William J. Gallagher	Adolph Metzler	William B. Somers
Harry B. Brockmeyer	Theodore J. Gliedt	Gus A. Metzger	Hugh E. Stanley
Andrew B. Carrington	John Henry	Barton D. Miles	Frank Sweeney
William A. Dedum	John L. Himes	Frank W. Mountain	Gideon B. Thieme
Richard S. Denny	Vincent C. Kazmierski	Alexander Nicolescu	Charles E. Tileben
Guilherme A. Ennes	Samuel P. Kinkead	Joseph W. Reid	

Science and Technology Alumni Association

Board of Directors—1918-1919

H. WM. GUDMENS	<i>President</i>	S.M.D. 1911	ARTHUR RITTER	S.M.D. 1901
EDGAR F. PFARRE	<i>Vice-President</i>	S.M.D. 1904	ANSON W. SMITH	S.M.D. 1897
E. H. MacCOUL	<i>Secretary-Treasurer</i>	S.M.D. 1914	WM. H. BENDERNAGEL	A.E. 1908
CHARLES E. WHITE		A.E. 1901	LLOYD ESPENCHIED	A.E. 1909
FREDERICK M. BONNETT			A.C. 1907	

A Word of Greeting from the Alumni Association

Greetings to the "fleet" of 1919 about to embark upon the high seas of destiny!

To the older alumni looking back, you are like a fleet of vessels setting sail from the good old port of Pratt for distant parts. And we picture from our own experience the scattering of your fleet as, after having set out to sea, each takes up his own course: picture the placid and the troubled seas ahead, the ups and downs of a mariner's life!

As we welcome you, we would warn you, remind you that all responsible vessels are nowadays provided with means for keeping in touch—in touch with other vessels, and with the home port.

Our interconnecting medium is the Alumni Association. It provides a means for keeping in touch. Join it, join it now and maintain contact.

If there is any one phase of a graduate's experience which stands out, it is this—the extent to which friendship and association with others helps to achieve success and happiness. In this day of co-operative effort we are constantly living in contact with others, continually making new acquaintances. Then don't cut loose from those friends you've already made at Pratt; you cannot afford it. The Alumni Association will help you to continue in touch and, more, to extend your acquaintance of Pratt men to those who have left port before you.

To summarize—you need us and we need you, so let us get together. And after having joined our ranks let's hear from you. Be a dynamic part of a living organization of fellowship.

Honor Roll

R. N. BALDWIN, A. E. '13.
HAROLD S. CADY, A. C. '14.
JAMES S. CAVERLY, A. E. '13.
ROBERT H. FLETCHER, S. M. D. '15.
LAWRENCE C. LOVELL, S. M. D. '14.

ELLERY PEABODY, JR., TAN. '15.
CHARLES E. PERCIVAL, A. E. '16.
FRED R. PHILMAN, A. C. '16.
EVERETT SCANMAN, S. M. D. '17.
LE ROY G. WOODWARD, A. E. '15.



GENERAL CHEMISTRY LABORATORY



DRAFTING ROOM



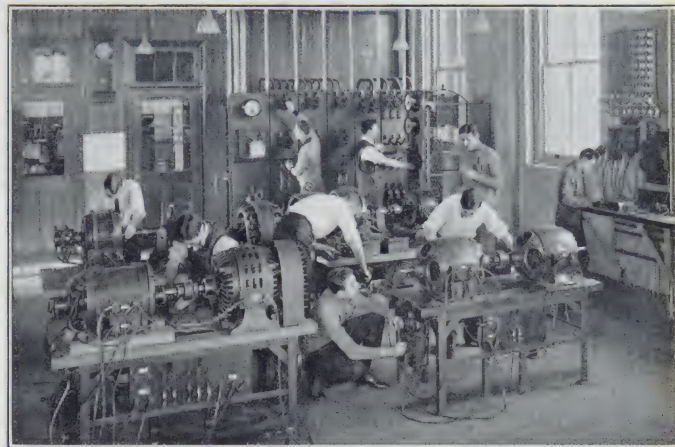
FORGE SHOP



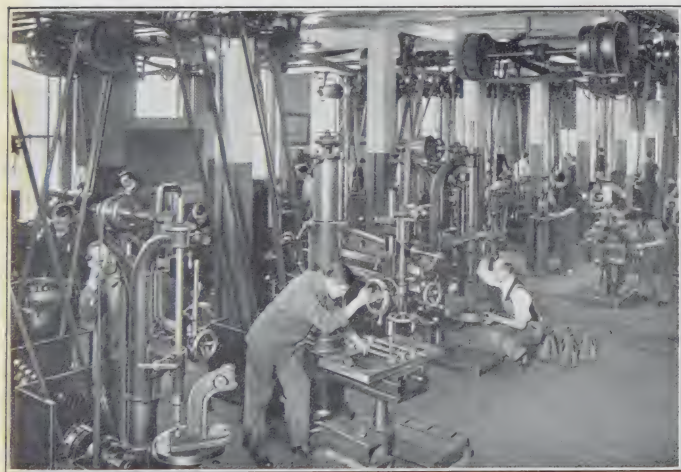
PATTERN SHOP



PHYSICS LABORATORY ELECTRICITY



ELECTRICAL LABORATORY



MACHINE SHOP



TANNERY

Institute Activities

When a Blue Star Turns Gold

You never know 'till you've lost it,
Just how much a thing is worth,
But when it's gone you discover
The most precious thing on earth.
Something you prized in its newness,
Grows nearer as it grows old,
And that which you thought was silver,
Proves to be the purest gold.

Today you are proudly displaying
An emblem of red and white
With a blue star in the center
For a boy who has gone out to fight,
And if God in His infinite wisdom,
Should call him back to His fold,
You will still fly your flag of crimson,
With the blue star turned to gold.

Oh, boys in the flush of manhood,
How you answered that call to arms,
How you came from the towns and cities,
The villages and the farms!
And we asked our God to keep you,
To watch you and to hold,
And to help us if the time comes,
When our blue star turns to gold.

And at night when the stars are shining
We look up to the blue above,
At God's service flag in the heaven,
With a star for each boy He loves.
And we think of the Son He offered
Way back in the days of old,
Who yielded His life for others,
And gained His star of gold.

Oh, those service flags of crimson!
How we glory in each star!
How we love you boys and miss you,
And how proud of you we are!
And we want you to know and remember,
That 'till time itself grows old,
Your service flags will be treasured,
With the blue stars and the gold.

Stephen Henry Hurtuk

Member of M. I. '17

In memory of his buddy Corporal James A. Long,
A. E. F.

Student's Army Training Corps

Seldom is it granted to an educational institution to receive government endorsement of its courses of study. The School of Science and Technology was the recipient of this unique distinction by reason of the advent of the S. A. T. C. The engineering courses prescribed for the S. A. T. C. by the Committee on Education and Special Training in some strange manner were almost an exact counterpart of the School's regular mechanical, electrical and chemical courses. When it is considered that the courses prescribed by this Committee were for the express purpose of giving men the most efficient training possible in various lines of engineering for immediate military use, the significance of the correspondence of the S. A. T. C. courses to the courses of the School which were established years ago, is striking.

While the establishment of the S. A. T. C. appeared to many as an interruption in our regular work and a hindrance to our progress, directly the contrary was the fact. Inauguration of the S. A. T. C. has done more to advance every vital interest of the Institute than any other single factor in many years. It incidentally gave us a

sense of satisfaction in the realization that our regular work for years past, with almost no change, was pre-eminently adapted to aid the nation and the world in time of great crisis and military necessity. The effect was stimulating and suggestive, showing the way to increased efficiency through a higher ideal of national requirements.

Pratt Institute therefore rejoices in the installation of its Student Army Training Corps during the Fall term. We were made happy by an unusually choice selection of wholesome, clean, bright, patriotic fellows, desirous only of serving their country in any way which the government might dictate. The S. A. T. C. has vitalized the Pratt Institute work as no other single agency since the progressive days of the Founder, Mr. Charles Pratt. It has shown us a broader and more efficient way which we are endeavoring to follow as rapidly as the necessary adjustments can be effected. It has given us a new sense of the meaning of co-operation, serious work, good fellowship, and efficiency. It has furnished a fresh incentive for the realization of the ideal of making one's best, habitual.



COMPANY B



COMPANY C
PRATT UNIT, STUDENTS ARMY TRAINING CORPS



COMPANY A



Confetti Ball

Given for the Benefit of the Athletic Association, under the Auspices of the Students' Council

Students' Council

The fall term of the present year found the spirit of the students divided between the army and navy units of the Student Army Training Corps. After these units were demobilized it was noticeable that the old Pratt spirit lacked its former vitality. With this in mind, a body of students, mostly from the S. and T. School, gathered together to discuss the situation. It was found impossible to affect conditions without the co-operation of the School of Fine and Applied Arts, the School of Household Science and Arts, and the School of Library Science. Interviews with instructors and students from these schools took place directly, and in response a joint meeting of representatives from each school was held.

The general sentiment of these representatives was strongly in favor of a student organization which should develop the interests of the students in all social activities. The outcome of this sentiment was the organization of a Student's Council. At this time the membership of the organization consists of various class presidents,

representatives from the Athletic Advisory Board, the Men's Club, the Women's Club and the Neighborhood Association.

The first work of this Council was to develop the attendance at the Basket Ball games. A spurt was made through the entire Institute and owing to the excellent co-operation of the students, the task was well accomplished. At the close of the Basket Ball season, a Confetti Ball was run under the auspices of the Students' Council, the proceeds of which went to the Athletic Association. The dance was well attended and proved very successful in every way. The Neighborhood Dance was also backed by this organization, and proved a success.

It is expected that this Council may become established as necessary for the promotion of wholesome social activities among the students of the different Schools and that it will become a permanent organization.

Institute Yells

Rickerty Ho!
Rickerty Ho!
We're there, where'er we go.
We'er here, we're there,
We're every where!
With a booma-lacka, booma-lacka.
Sis boom bah;
Pratt, Pratt,
Rah, Rah, Rah.

* * * * *

Whoop it up for dear Old Pratt, boys,
Whoop it up for old P. I.,
We're here to win to-day,
So wave your banners high.
The other team will have no show
Watch our team work and our play
So fight, fight with all your might,
And we'll win to-day.

Rah, Rah, Rah,
P-R-A-T-T
P-R-A-T-T
P-R-A-T-T-
PRATT

* * * * *

WOW-WOW
Oski wow, wow,
Skinny wow, wow—WOW-WOW
P R A T T !

* * * * *

Hiko-Diko-Deeko-Di
We are sons of old P. I.,
We are shy
We are sweet
But we get there with both feet
Bum-tuddy-um dum
Bum Bum



"S. A. T. C. AT RETREAT"



DR. NEHEMIAH BOYNTON

Chapel



DR. AVERY A. SHAW

Many years ago a request came to a Minister just arrived in Brooklyn, to conduct for a few weeks a voluntary chapel at Pratt Institute.

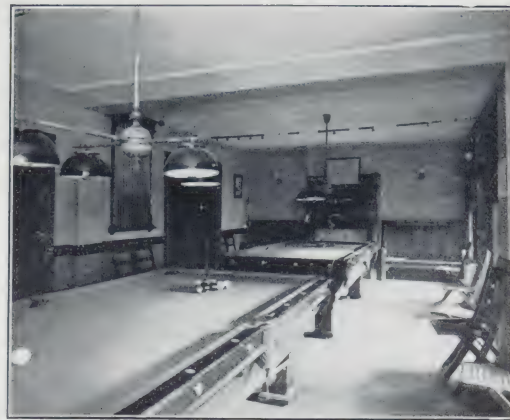
Many colleges have daily chapel with required attendance, but it was believed that for mature young people like the students at Pratt while desirable to afford the opportunity for chapel, it was quite undesirable to require attendance. The invitation was accepted with eagerness by the Minister, Dr. Nehemiah Boynton, and to the surprise of all, the weeks lengthened into months and the months into years until the present season represents fifteen years of voluntary chapel. During the entire time, Miss Mary Hobson has presided at the piano and Mr. George D. Bartlett has been the real master of ceremonies. The influence of chapel has been of the pervasive rather than of the panoramic order. The attendance has varied according to the pressure of surrounding conditions and especially the recent war conditions but there has always been a considerable body of students who have found in morning chapel a

grateful opportunity to refresh their sense of the eternal in these devotional moments. The object of the occasional and brief addresses has always been to emphasize the actuality and the timeliness of religion in modern life and the expressions which are continually coming from Pratt graduates all over the world indicate that our chapel with its quiet and simple service has been no insignificant influence upon the lives of many who are now in the thick of the life battle. Perhaps a most significant influence of the Pratt chapel has been the quiet reminder of the proportions of religion and of its place essential in the very heart of life. It is a quiet factor in the busy educational life of our splendid Institute, but there are those who love it and whose lives by it, have been lifted up and strengthened.

In Dr. Boynton's absence we have been so fortunate as to have the ministrations of Dr. Shaw, pastor of the Emmanuel Baptist Church, of which the Founder was a life-long member.



LOUNGING ROOM



POOL ROOM



BOWLING ALLEYS



READING ROOM

Pratt Institute Mens' Club House

Seventy-six

CLUBS

THE MEN'S CLUB

The Men's Club is the student center of Pratt Institute where men of all schools and courses meet on a common footing. Its home at 210 Grand Avenue contains a reading room, lounging room, billiard room, bowling alleys, lunch room, kitchen, lavatory and a hall and two smaller rooms in which meetings of clubs and committees may be held.

In the reading room may be found some twenty-five of the popular weekly and monthly periodicals, five morning and evening local newspapers and three from out of town. Adjoining is the lounging room comfortably furnished with upholstered arm chairs, open fire-places, piano and victrola. On the floor above are the game room, the alumni room and the billiard room. The top floor is one large room used during the noon hour as a lunch room and evenings for smokers, lectures and dances. In the basement are two bowling alleys, kitchen and lavatory.

GOVERNMENT

The Trustees provide a secretary for the Men's Club, who is its executive officer. Mr. Paul Rapp has occupied this position for the past six years.

We are happy to have him with us again in the social activities of the Institute. For seven months he was away from the Institute during which time he was Sergeant in the Medical Department of the U. S. Army at Camp Upton,



PAUL RAPP

Trustee.

The student members of this committee for 1918-1919 are as follows:

- I. M. E. '20, Rudolph E. Huda
- I. M. E. '19, Bradford H. Scott
- I. E. E. '20, William R. Adams
- I. E. E. '20, Athur W. Evans

N. Y. Previous to entering upon his work at Pratt in 1912 he was Assistant Secretary of the 23rd Street Y. M. C. A. Mr. Rapp is secretary of the Men's Club, President of the Neighborhood Association, and an efficient member of various other important committees.

Associated with the Secretary is an executive committee of students, and instructors. One student is elected to represent each class and the instructors are appointed by the

I. Ch. E. '20,	Vernon W. Grant
Arch't.,	Gerald S. Vibberts
Art,	Lester Johnston
M. C.,	Carl Krumenaker

The Faculty members are:

Chairman, Mr. Paul Rapp, Men's Club
 Mr. Fred D. Wright, Dept. of Physical Training
 Mr. George D. Bartlett, Art Department
 Mr. Frank O. Price, Art and S. & T.
 Mr. Nicholas Heyman, S. & T.

STUDENT ORGANIZATIONS

Musical Clubs. The social life of the students centers in the various clubs. Of these the oldest are the Glee Club and the Orchestras, but neither was organized this year on account of the war. Their place was to some extent taken by the Song Rallies held in the Assembly Hall under the direction of Mr. G. Waring Stebbins during the winter term.

State Clubs. In recent years State and Sectional Clubs representing all parts of the country have come into existence, and in every instance they have served to bring together socially the men and women from the respective localities. The oldest of these organizations is the Southern Club which was founded in 1909. Since 1910 there have been added the Nutmeg Club (Connecticut), The New England Club (Massachusetts, Maine, New Hampshire, Vermont, Rhode Island), The New York State Club, the Tri-State Club (Ohio, Pennsylvania and New Jersey) and the Western Club which in 1915 combined with the Southern Club. During the past

year only The Nutmeg Club and the New York State Club have been active, each of them having held monthly socials at the Men's Club.

Saturday Trips. Another interesting feature of the year's program has been Saturday trips to representative industrial establishments in Brooklyn and New York. Among the plants visited were the following:

Williamsburgh Gas Works, Brooklyn Daily Eagle, Brooklyn Edison Power House, Sunshine Biscuit Company, Pilgrim Steam Laundry, Mergenthaler Linotype Company, Knox Hat Company, American Sugar Refining Company, American Book Company and the American Museum of Safety.

BILLIARD AND BOWLING TOURNAMENTS

Bowling. The annual interclass bowling tournament was won this year by Industrial Chemical Engineering '19 after a nip and tuck struggle with Industrial Electrical Engineering '20. The winning team was made up of Otto A. Jonassohn, John F. Keast, George L. Ballentine.

Billiards. The annual interclass billiard tournament was won by I. M. E. '19 after the play off of a four cornered tie between the team representing I. M. E. '20, I. M. E. '19, I. E. E. '20 and Architects. The members of the winning aggregation were James A. Fahy and Harold E. Nagle

Checker Tournament. The annual checker tournament was won by Leroy N. Duckworth, Industrial Electrical Engineering '19 who went through the season without a defeat.

The Neighborhood Association

Throughout the year a close connection has existed between the Men's Club and the Neighborhood Association, Mr. Rapp serving as Secretary of the one and President of the other. The Association was founded in the early days of the Institute to provide an agency through which the students might "help the other fellow." It is made up of four Chapters, one for each of the schools. Each Chapter elects its own officers and conducts its own affairs. It sends a representative to the Governing Board which administers the larger interests of the Association. On this board are represented the Trustees, the instructors and the students. During the past year Mr. Charles M. Allen of the Chemistry Department has represented the instructors of S. & T. on the board and Mr. Bradford H. Scott of I.M.E. '19 the students.

The efforts of the Association is directed chiefly toward the support of the Greenpoint Neighborhood House at 85 Java Street. This is one of the oldest social settlements in New York and is supported entirely by the Neighborhood Association. Five social workers are in residence and there are as many more part time

workers besides the volunteers from Pratt Institute who number over one hundred in the course of a year. The staff for the year 1918-19 is as follows:

Headworker, Miss Florence E. Clendenning
Director of Men's and Boy's Work, Mr. Frank A. Dickey
Director of Women's and Girl's Work, Mrs. D. Edgar Rice
Director of Music School, Mrs. Blanche Hamilton
Nurse, Miss Frieda Kuhn
Kindergartner, Miss Edith Garretson

Among the activities carried on at the Neighborhood House are classes in woodworking, sewing, dressmaking, cooking, music, English and Spanish, a kindergarten, supper clubs, dramatics, Boy Scouts, Camp Fire Girls, Woman's Club, literary and debating clubs, gymnasium and dancing classes. The Settlement has long taken the lead in all movements in Greenpoint looking to the improvement of social conditions there. Its work is non-sectarian, which permits it to unite elements of diverse race and creed in efforts for a better Greenpoint.





NOON ON THE FENCE

Eighty

ATHLETICS



FRED D. WRIGHT

instructor in the year 1910, and ever since that time he has been a diligent worker for the general good of Pratt Students. Mr. Wright's

*"To rule all and still be loved
by all is truly a virtue possessed
by few."*

Many do not realize that physical fitness is second to none in the welfare of one's life. The medium through which this may be attained is physical training. The time allotted to this branch of training is very limited at Pratt, never-the-less this work has been successfully carried on by the head of this department.

The Institute is indeed fortunate in having as the Director of the Department of Physical Training, Mr. Fred D. Wright.

He came to the Institute as an

efforts have certainly not been in vain, for he has won for himself, thru his kindly manner of ruling, a friend in each student of the Institute.

ATHLETIC ASSOCIATION

As each class organizes itself at the beginning of the school year, among other officers, Athletic Association representatives, are elected whose duty it is to meet with the representatives of other classes, together with these students five members of the Faculty form the Athletic Association Executive Committee. This body directs all athletics of the the Institute.

The members for 1919 are as follows:

For the Faculty—Lester B. Pope, Edward H. MacCoul, Robert Lafferrander, Paul Rapp and Fred D. Wright.

For the Students—Reynolds, Archt., Chairman; Meyer, M. E. '19; Clark, M. E. '20; LaBarr, E. E. '19; Gardner, E. E. '20; Mattson, Ch. E. '19, Secretary; McIntyre, Ch. E. '20 and V. Bogart, Art.



VARSIY BASKETBALL TEAM 1918-1919.

Top Row: Schafran, Mr. Brunn (coach), Noble, Williams (manager), Stanley

Second Row: Roth, Fitelson, Meyer (captain), LaBarr, Brown.

Front Row: Bogart, Wassell.

Varsity Basketball

The Varsity Basketball Season although opening under rather unusual conditions proved a very successful one. The team did not win the high percentage of victories won in the previous year, but nevertheless succeeded in making a splendid record, living up in every way to the traditions of Pratt Institute in this sport, winning over fifty percent of its games.

With a nucleus of three from last year's team, the first game was played on December 14. This number was increased at the beginning of the Winter term by the return of two more to resume their courses. We were fortunate in again securing the services of Mr. E. F. Brunn as coach, and to his conscientious work much credit is due. The work of Captain Meyer and Manager Williams cannot be too highly commended.

The following is a summary of the Varsity Basketball season:

Pratt	21	Brooklyn Poly	28	At Pratt
Pratt	44	Army Headquarters	20	At Pratt
Pratt	34	Stevens	32	At Pratt
Pratt	34	Stevens	22	At Stevens
Pratt	19	Colgate	38	At Pratt
Pratt	28	Moravian	13	At Pratt
Pratt	28	Drexel	21	At Pratt
Pratt	20	Brooklyn Poly	41	At Poly
Pratt	38	Ursinus	18	At Pratt
Pratt	30	Moravian	31	At Moravian
Pratt	20	Mass. Aggies	19	At Pratt
Pratt	23	Drexel	24	At Drexel
Pratt	27	Rennselaer	29	At Pratt
Pratt	43	Alumni	20	At Pratt

Games played—14. Won 8. Lost 6..

Total points scored by Pratt . . . 409

Total points scored by Opponents . . 358



CLASS CHAMPIONS OF 1919, I. E. E. '20

Top Row: Levy, Hubbell, Quinn, O'Connell.

Front Row: Bedson, Lincks, Pape (Mgr.), Dodd (Capt.), Dember.

Inter-Class Athletics

Inter-class athletic sports at Pratt Institute have done much toward getting every one engaged in some form of physical recreation, at the same time developing Varsity material. The outlook for next year seems to point toward a greater variety and interest than ever in these inter-class contests. The passing of the student petition by the trustees making the Athletic Association membership payable with the tuition will in addition to successfully financing

Varsity basket ball, contribute a very great deal toward inter-class competition.

Under the proposed plans for the coming year inter-class schedules will be conducted in the following activities, soccer football, tennis, swimming, track and field, wrestling, basket ball and base ball.

Basketball

Our inter-class basketball matches were unusually interesting this year and practically all the classes managed to turn out strong well balanced teams and much good material for next years' Varsity was discovered. The Industrial Electrical Engineers '20 quintet won the high honors as the championship team. They had a well balanced team on which were developed several stars. Their game throughout the season was consistent and heady.

Following is a summary of their season:

I. E. E. '20	11	Arch.	12
I. E. E. '20	13	Chem.	6
I. E. E. '20	29	I. M. E. '20	13

I. E. E. '20	33	I. M. E. '19	9
I. E. E. '20	25	M. C.	5
I. E. E. '20	31	I. E. E. '20	20

Games played, 10. Won, 8. Lost, 2.

Points scored by I. E. E. '20—242.

Opponents—132.

CHAMPIONSHIP SERIES

I. E. E. '20	17	Arch.	19
I. E. E. '20	23	Arch.	13
I. E. E. '20	31	Arch.	18



Baseball

Immediately after the close of the basketball season our thoughts are turned toward the American national sport—baseball.

At the beginning of the third term, the schedule starts and it usually lasts until the last week of school. Good, hardworking teams represent the classes on the diamond each year, and much class spirit is shown in the form of yelling from the bleachers.

There is certainly enough good baseball material in the school to turn out a Varsity team in this sport. We sincerely hope that the time is not far distant when Pratt will have a Varsity baseball team to represent them each year.

The Athletic Association is making an effort to secure the consent of the Trustees in making membership in the Association obligatory for all men students in day Courses. This method of financing the affairs of athletics has become nearly universal in colleges throughout the country. It is the unanimous opinion of the students of Pratt that this plan should be adopted here. If it becomes effective, intercollegiate baseball may be revived at Pratt Institute.

Soccer

Until this year, soccer has always been the sport which has started the ball of athletics rolling. It is the first sport in the inter-class schedules of the year, and has always done much to promote the spirit of "friendly enemies", between the classes.

In 1918 a complete schedule of soccer foot-ball was run off between the classes. Strong teams, representing the various classes,

were on the field, and much interest and spirit was shown by the supporters of this out-door sport.

This year, however, soccer had to be dropped from the schedule of athletics, owing to the military routine of the S. A. T. C. Its omission was keenly felt, and its importance particularly noted during the fall term. We feel certain that revived interest in soccer will prevail next year.

Tennis

With the arrival of spring, comes tennis which is eagerly looked forward to by a great many. As soon as the weather permits, the courts are busy at every available moment of the day.

An inter-class schedule starts shortly after the opening of the

spring term. This consists of a double tournament which is run off between that time and Commencement. Each year brings forth new players of more or less note, and an interesting struggle ensues for the lovers of this sport.



Track

While our track season consisted of but one meet we may consider the outcome as very creditable. Although our team was defeated, it showed remarkable material and with a little coaching and more interest by the student body there seems no doubt that we could have made a great success of this line of sport.

Following is a summary of our meet with Stevens Tech.:

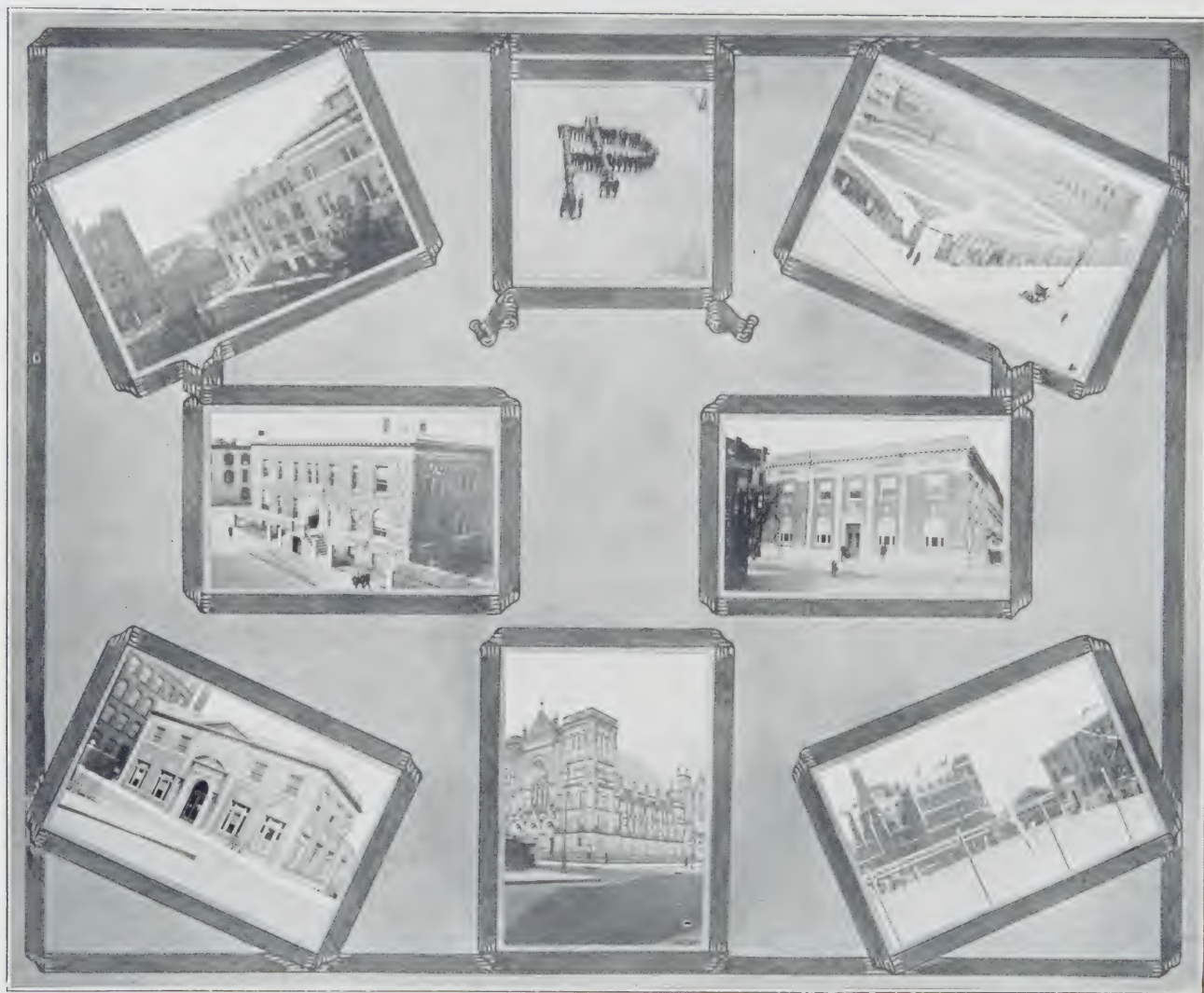
25 yard dash: won by Clark, Pratt; Meshoh, 2nd; 220 yard dash: won by Meshoh, Stevens; McCrea, Stevens, 2nd; 440 yard dash: won by Conrow, Stevens; Mattimore, Stevens, 2nd; 880 yard dash: won by Brown, Stevens; King, Pratt, 2nd; One mile race: won by Brown, Stevens; King, Pratt, 2nd; Hurdle race: won by Roberts, Stevens; Freisinger, Pratt, 2nd; Running High Jump: won by Roberts, Stevens; Clark, Pratt, 2nd; Standing Broad Jump: won by Clark, Pratt; Brown, Pratt, 2nd; Shot Put: won by Clark, Pratt; Brown, Pratt, 2nd; Relay Race: won by Stevens. Final score—Stevens 44, Pratt 36.

Ted Clarke

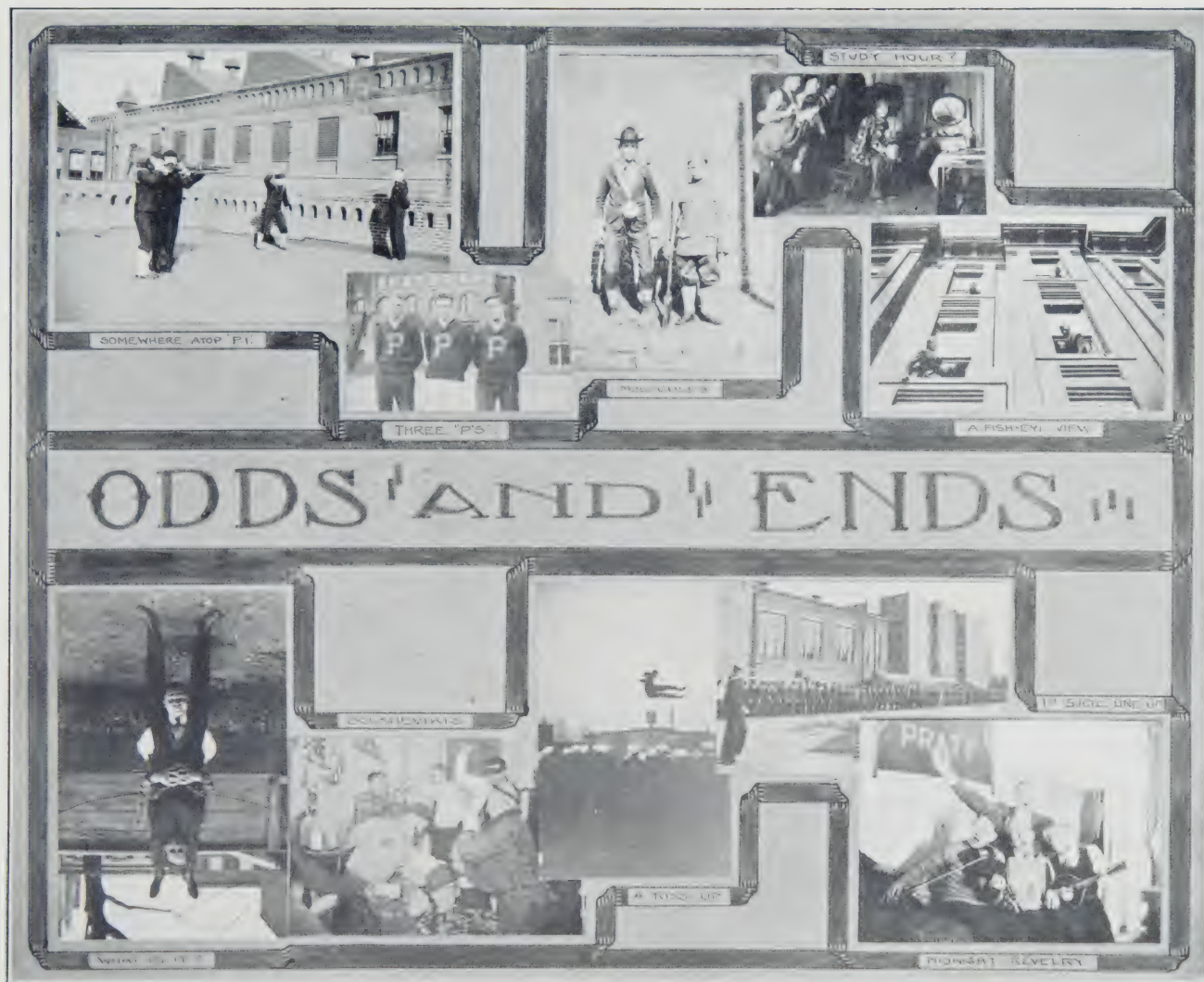
Ted Clarke of I. M. E. '20, came to Pratt from Lafayette College, where he had acquired many honors in the athletic field. In our dual meet with Stevens Institute he gained new honors by scoring eighteen out of a total of thirty-six points. He now holds the Junior National Indoor Championship of America with a record standing jumps of five and one-half feet. Along with this honor he holds second place in Senior National Indoor Championship, with a high jump of five foot two and one-half inches. In standing broad jump he holds third place with a ten foot jump. These records show what we may expect of him in years to come.



ATHLETIC FIELD



Eighty-nine





FOUNDRY



PAINT SHOP



ELEMENTARY MECHANICS LABORATORY



CHEMICAL MANUFACTURING PLANT



Jake—"Will you have a fifteen-cent cigar?"

Mickey—"Yes, if it doesn't cost more than thirty cents."

Mr. Lafferander says he wants only one specimen of Iron for analysis at a time. Seventeen different samples from the same pig are liable to produce as many different results.

Powers' Version of a Man—Man is created, educated, mated, Reno-vated, and cremated, Amen.

Johnston has just patented a combination gas and steam engine. It operates by gas on the head end and by steam on the crank end and is as practical as Carnot's.

Me and Gott? Q. E. D. As demonstrated—Cap I.

Phelps is very helpful. He shoots baskets for his opponents.

Did you ever see Doc Cook bowl? He gets them like he catches fish—one at a time.

Invitations are out for Stowel's funeral.

Incidentally, there is no noise like the noise that annoys.—Smith
If one apple costs ten cents how much does two apples cost?

—Isenberg.

Don't do as I do, do as I say.—Brunn.

Standard Time:

Baril—"What time did we take the last reading, Parsons?"

W. A. Parsons: Looking at his data sheet—"2.80".

Mr. Marsh—"To what conic does that equation belong,
Mr. Hammer?"

Hammer—"Para-bola." (nuff said.)

Mr. Cook—"Hyde, how can you identify an induction motor?"

Louie—"By the port holes." (Note—Louie was a sea going yeoman aboard the Leviathan.)

Mr. Mudge has recently discovered a circle whose diameter is one square inch.

La Barr and Jeffery have found a new place to study Math. They study figures thru the key hole of the swimming pool door.

"All good men get by on 85% bluff."—Kottie.

Mr. Mudge—"What is a vacuum?"

Libby—"I have it in my mind, sir, but I can't seem to express it."

"You tell 'em, kid."—Duckworth.

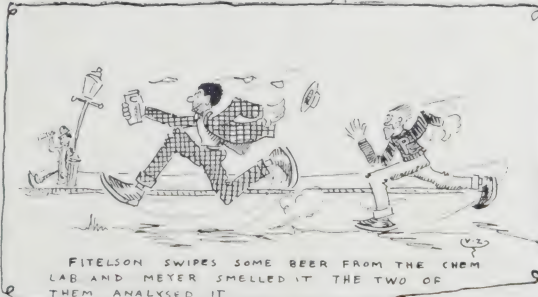
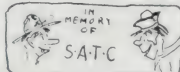
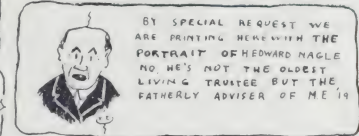
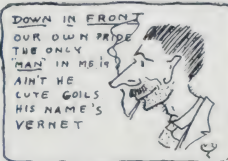
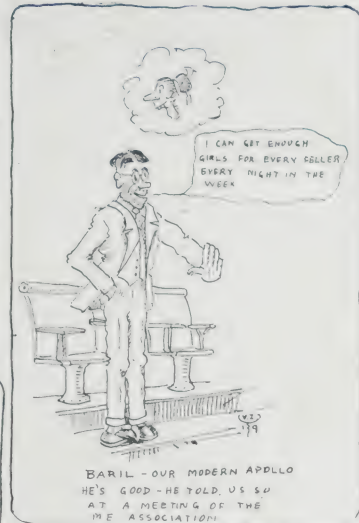
Miss Ahearn enjoys giving out pink slips, Ask Grover, he knows.

Walcott tells us he used to go crazy after the ladies. He's getting older now.

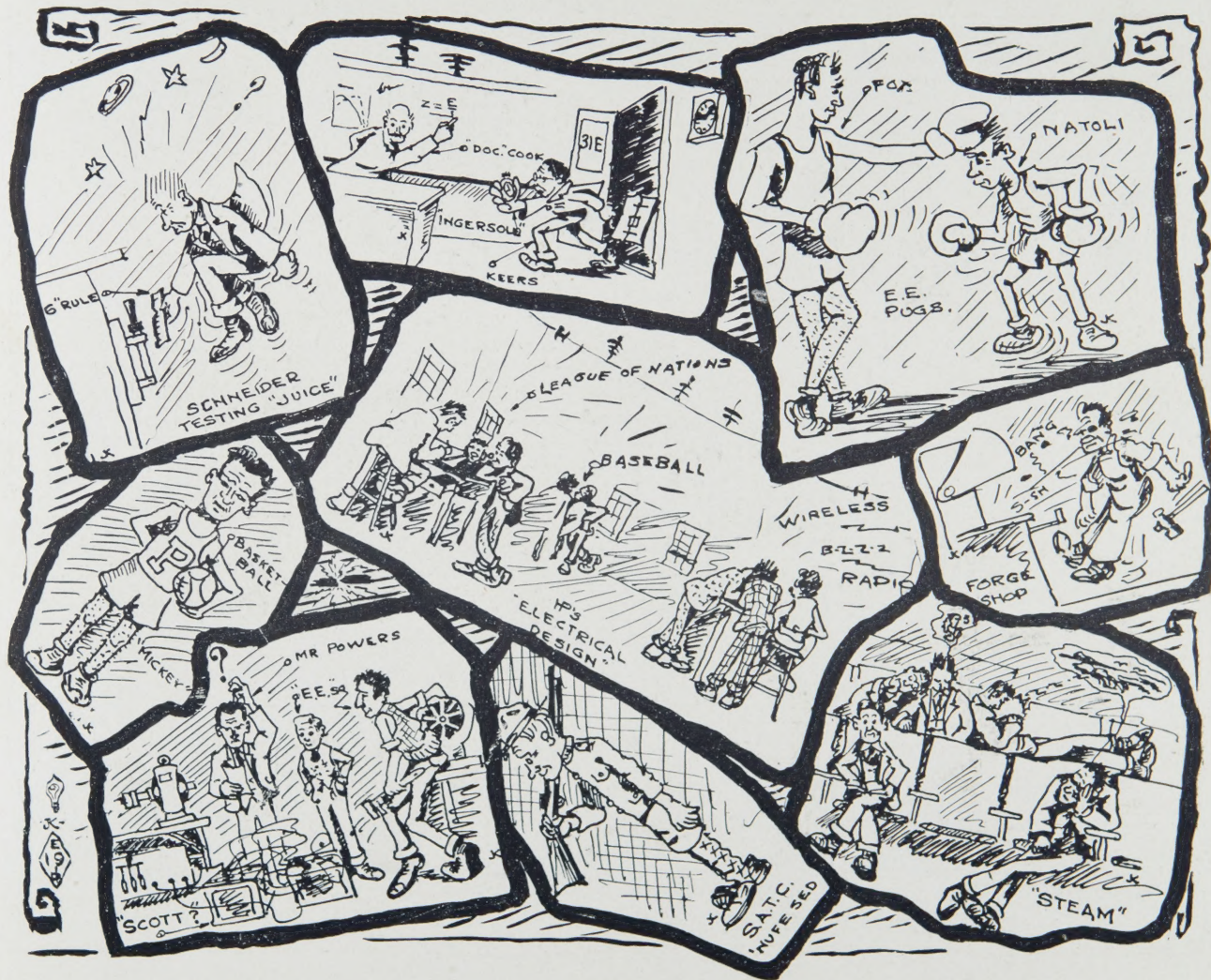
That's nothing. I had that at New Haven High School.—Smith.

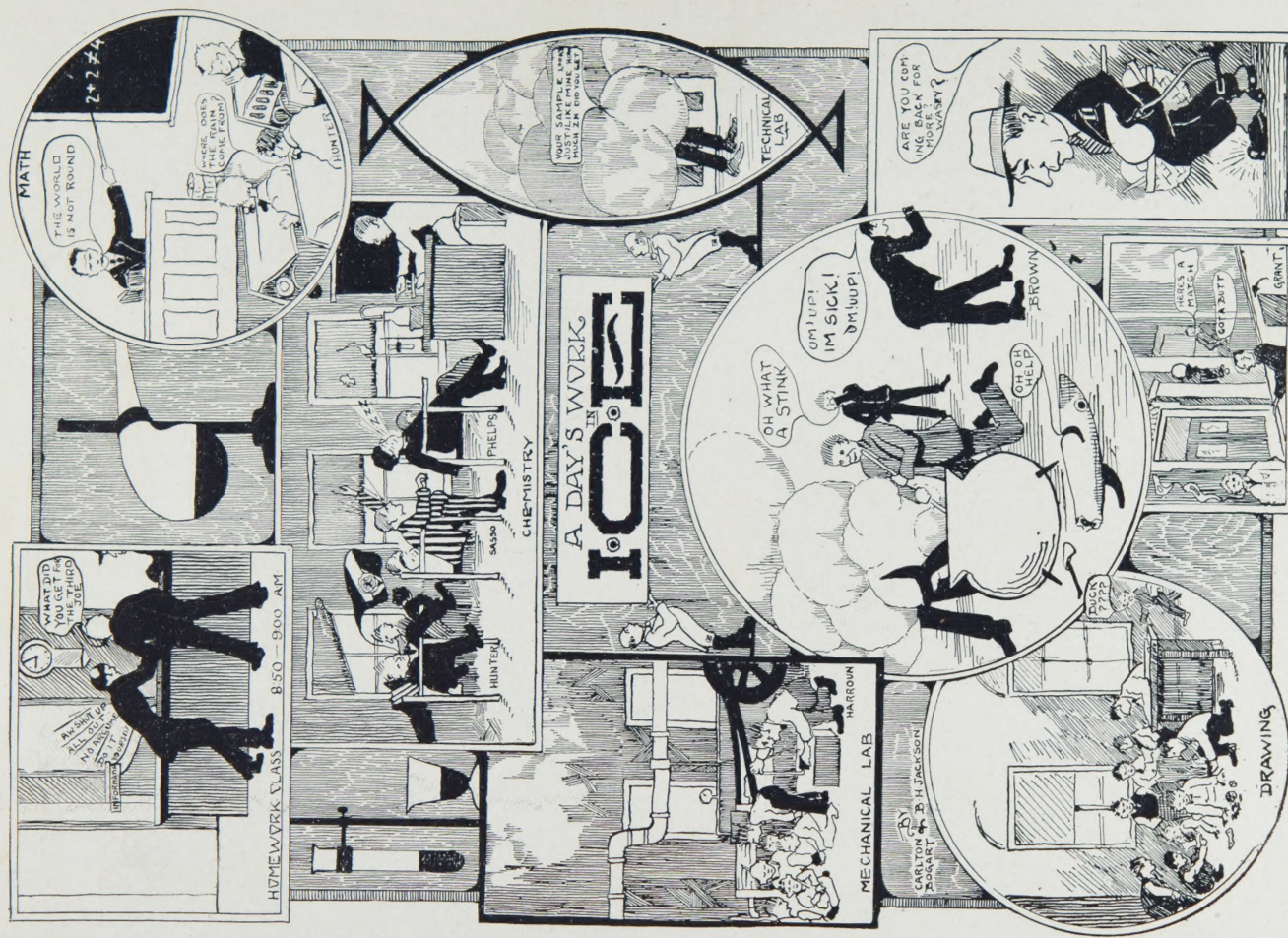
Gol Ding It.—Dixon.

The Kaiser said, "der Gott Mit Uns,"
And the Uns thought well of it
Until we silenced all their guns
And the Kaiser "Got der Mit."



VAN ZELM ME 19





Autographs

Autographs